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ABOUT THIS GUIDE

This guide introduces FedEx Ship Manager® Server (FSMS) transactions and how to use them. It provides the detailed information you need to understand, code and develop transactions for your business shipping needs and integrated solution applications. Tables of fields and field properties are shown for each FedEx service and shipping function. The FSMS shipping process and methodologies are also explained. Each section of this guide includes a description of the business logic that supports valid field selection and coding.

Document

Use this guide to understand FedEx Ship Manager Server transaction fundamentals and the shipping rules to which the transactions adhere. Use the detailed field property information to determine which fields are valid for your transaction function and whether you have a complete set of fields for any single transaction per your business requirements.

Organization

The FedEx Ship Manager Server Developer Guide contains introductory chapters about the FedEx Ship Manager Server software installed on your local client hardware and describes the fundamentals of creating FSMS transaction strings. You’ll find basic information about labels and including fields that let you choose when you want to print them also. In addition to these topics, the guide provides both high-level and detailed field information for developing Open Ship and other FSMS transactional shipping processes.

The remaining chapters describe FSMS transactions based on the FedEx service options you may want to choose to ship your packages and commodities. They are organized as follows:

- FedEx Express U.S. Service—see Chapter 5.
- FedEx Ground U.S. Service—see Chapter 6.
- FedEx SmartPost—see Chapter 7.
- FedEx International Service—see Chapter 8.
- FedEx Express International Service—Chapter 9.
- FedEx International Ground Service—see Chapter 10.
- FedEx Transborder Distribution—see Chapter 11.
- FedEx International Priority DirectDistribution and Freight—see Chapter 12.
- FedEx International Economy DirectDistribution—see Chapter 12.

Information about tracking packages and generating reports using FedEx Ship Manager Server is included in Chapter 14.

Audience

The audience for this guide is a developer, software programmer, application architect or any user who wants to understand how to write transaction code using FedEx Ship Manager Server to implement solutions that support the shipping needs of their company’s business operations.
Conventions

This guide uses the following conventions in the text.

- Information you need to enter in a field or transaction is formatted in **bold**.
- Sample transaction code is formatted in *Courier New*.
- Important notices begin with the word “Note:”.
- In task instructions, software user interface elements are shown in **bold**.
- Names of documents are shown in *italics*.
- Names of FSMS transactions are shown in *italics*, as for example, the **120/120 Global Ship Request/Reply** transaction.
- First occurrence of a term is *italicized* followed by a definition.

Resources

The following documents contain information related to this reference guide:

- *FedEx Ship Manager® Server Services and Shipping Guide*
- *FedEx Ship Manager® Server Installation and Configuration Guide*
- *FedEx Ship Manager® Server Transaction Coding Reference*

Support

For FedEx Ship Manager Server technical support, call 1.877.339.2774 and state “FedEx Ship Manager Server” at the voice prompt. Support hours are Monday through Friday, 7:00 a.m. to 9:00 p.m. CST, and Saturday, 9:00 a.m. to 3:00 p.m. CST.

For international customer support, call 1.800.GoFedEx 1.800.463.3339.

You can also contact FedEx on the web at [fedex.com](http://fedex.com).
CHAPTER 1: INTRODUCTION TO FEDEX SHIP MANAGER SERVER

FedEx Ship Manager® Server is the transaction processing interface to those FedEx services that ship your products and packages to their final destinations every day. You can run FedEx Ship Manager Server on a local client or integrate the application with your current shipping operations, bringing the power of FedEx Services to your shipping station for local and worldwide deliveries.

This chapter provides an overview of FedEx Ship Manager Server features and describes the transaction model on which the application is based. It also reviews the requirements for system setup and network connections.

It includes these sections:

• FedEx Ship Manager Server
• Overview
• Architecture
• FSMS Transaction Model
• Network and Internet Requirements
• Getting Started with FSMS
FedEx Ship Manager Server

FedEx Ship Manager Server (FSMS) is a transaction-based network shipping solution for high-volume shippers who want to integrate FedEx shipping capabilities into their automated shipping operations. FSMS is best suited for technologically advanced shippers who need speed and convenience to process, label and ship extremely large numbers of packages and commodities each day. The FSMS software allows full integration of FedEx shipping, tracking, rating and routing services with your existing business systems. The application runs on a local client at your shipping site and requires a Microsoft Windows operating system and Internet connection.

Fast Dedicated Shipping Server

The advantage of FSMS-integrated applications is a fast, dedicated transaction-based connection to FedEx that provides reliable service for getting shipments from origin to destination within time-critical requirements. It is a global solution, allowing you to ship from and to anywhere FedEx shipping services are available. In addition, FedEx customers who integrate FSMS with their automated and warehouse shipping software, enjoy the flexibility of being able to set up FSMS in ways that meet their individual business or compliance needs.

Adaptation to Change

FedEx Ship Manager Server gives you flexibility, which means you have the ability to change your FSMS shipping configuration as your operational needs change. A single installation can support a large number of shipping origins, accounts and meters—if that is what you need—regardless of location. You can also choose to dedicate individual and separate installations to multiple locations. It all depends on what works best for you and how you want your FedEx shipping to integrate with your other business operations.

Implement Only What You Need

With FSMS, it is you, the FedEx shipper, who determines the required amount of resources (hardware and personnel) you need. Using FSMS function-specific software modules, it is possible to develop, configure and activate a shipping solution that effectively supports the day-to-day demands of your business and shipping needs. You implement only what you need.

FedEx Ship Manager Server is a free installation. Contact a FedEx support representative if you wish to expand your current FSMS installation or want additional information.

See the FedEx Ship Manager Server Services and Shipping Guide for more information about FedEx Ship Manager Server and integrated services from FedEx. Refer to the FedEx Service Guide for a comprehensive guide to all FedEx services.
Overview

To help you determine how best to integrate FedEx shipping with your current business, this Developer Guide describes how to create integrated FedEx shipping solutions using the FedEx Ship Manager Server software and configured FedEx service modules. For example, it describes the transactions that support FedEx Express U.S. shipping separately from those that support FedEx Ground or Express International shipping. If your business ships primarily to Canada, you will find the transactions that support U.S.-Canada cross-border shipping services located together in the FedEx Transborder Distribution chapter.

FedEx Shipping Rules

As you work with FedEx Ship Manager Server transactions, you'll want to become more familiar with the FedEx shipping rules which govern each transaction. These are different for each of the FedEx shipping services. Within each chapter you'll find rules and guidelines for developing transactions, as well as transaction tables which list the data fields required for the specific transaction described. Use these tables as templates for coding your transactions.

Resources

For an overview of FedEx services and how to ship using FedEx Ship Manager Server, be sure to read the FedEx Ship Manager Server Services and Shipping Guide. This guide provides a summary of features and service details for each FedEx shipping service available through FedEx Ship Manager Server. At-A-Glance tables assist you in quickly determining the best solution for your shipping requirements. Shipping rules and package restrictions described for each service can help you understand what you'll need to consider before you begin to code.

Read this Developer Guide to learn about the different types of transactions you can code to implement FedEx services and how to determine which fields are required for your specific transaction. For a detailed description of each field, see the FedEx Ship Manager Server Transaction Coding Reference guide. Field descriptions include field properties and usage information for coding transactions.

The following sections of this chapter introduce you to the FedEx Ship Manager Server architecture and transaction processing model. They describe the importance of a quality network connection to FedEx and provide a system overview to help you see the many different ways in which you can implement FedEx Ship Manager Server as a flexible solution for your shipping.

Getting Assistance

Implementation of FedEx Ship Manager Server should be performed only by professional software developers, IT administrators and others with experience in developing, staging and managing large enterprise network application systems. It should not be attempted by untrained end users. If you need assistance, please contact your FedEx account executive, customer integration consultant (CIC) or FedEx support.
Architecture

The FedEx Ship Manager Server architecture is an integrated solution designed to meet the unique shipping needs of small to medium and large enterprise businesses. The architecture is flexible and can be configured to fit your specific operations setup. You, the shipper, decide how many FSMS clients to install and whether to dedicate different printers for labels and reports. In all cases, make sure to precede any architectural strategy you design with an in-depth study of your business practices and operations, shipping history, paper trail and compliance requirements, physical shipping facilities and more.

The type of architecture you implement is your choice. You can install FSMS on a single computer or network it to other computer stations in your organization, or you can install FSMS on multiple computers located in physically separate locations throughout your office or global corporation. The strategy you select should be optimized to support your business structure, and FedEx has many excellent consultants who can help you determine what the best strategy may be for your business. Here is some general information that may help you make sense of what to consider as you decide.

Networks and Connectivity

The FSMS software installs on a computer in your data center and is self-contained. That is, although it requires a network connection to FedEx over a secure Internet (TCP/IP) for uploading and downloading of shipping data, it does not require a constant connection. All shipping functionality is contained within the FSMS application.

You should set up your network connectivity in a way that makes sense for your shipping operations. See the FedEx Ship Manager Server Installation and Configuration Guide for the requirements for hardware, software and network connections.

Meters

Each FSMS client is assigned its own meter number which identifies the hardware device and software you have installed. There are two types of FedEx meters: parent and child.

The parent meter, also called the master meter, is typically the first meter that you receive when you register your FedEx Ship Manager Server installation with FedEx. The parent meter, and all child meters you create, are associated with your company FedEx account and identify you as the Sender in all Request transactions to FedEx.

Child meters are associated with a master meter. You must have registered and received a master meter before you can register for a child meter. Child meters are useful when you have several shipping departments within a single organization or complex of buildings.

It is important that at the end of each shipping day you close all meters, both master and child, using the 007 End-of-Day Close transaction. This action enables FedEx to receive information about the shipments you've processed during the day and to properly route and rate your packages. This is critical to FedEx operations and to ensuring that you receive the highest quality of service from FedEx.
Secure Network Communication Interface

The following illustration shows an example of how FedEx Ship Manager Server (FSMS) can be implemented using a single FSMS application accessed by multiple computers inside a corporate firewall. FSMS is connected to a shipping system that employs multiple printers to print labels and reports throughout the shipping day. Communication with the FedEx corporate systems takes place over a secure TCP/IP Internet network and can also be made available over a dial-up server.

Figure 1-1 Communication Network Interface
FSMS Transaction Model

FedEx Ship Manager Server (FSMS) is a transaction-based network solution for FedEx shipping. The FSMS application processes transactions on your local FSMS application and sends your shipping information to FedEx for routing, rating and other delivery processing. The transaction processing requires only a part-time network connection with FedEx systems. This connection also enables you to obtain data required to complete your shipping operations, such as receipt of delivery dates, rates, time-in-transit and tracking information.

The FSMS application provides different transactions for different types of shipping tasks. For example, when you need to enter data about packages you are shipping, you would use the 020 Global Ship Request transaction. However, if you need to delete a package in a shipment, you use the 023 Global Delete Request transaction.

This guide provides a complete list of FSMS transactions in Chapter 2: About FedEx Ship Manager Server Transactions.

FSMS transactions are grouped in Request/Reply pairs, also called transaction sets. With FSMS, a shipper sends a Request transaction to FedEx that identifies the shipment and tells FedEx that the shipment is prepared and ready to ship. It also tells FedEx who is sending the shipment and to whom it will be delivered. Depending on the origin of the shipment, its destination and its contents, other data may be required to complete the transaction, such as declared customs value or hazardous materials data. When FedEx receives the request from the shipper, the shipment is processed and FedEx returns a Reply transaction that contains the data required by the shipper to complete his shipment. The shipper prints labels and FedEx routes the shipment, picks it up and delivers it.

In Chapter 2, you’ll learn how FSMS transactions are used, as well as how to construct a transaction statement using FSMS data fields.

Network and Internet Requirements

FedEx Ship Manager Server (FSMS) software must communicate with FedEx directly through a network connection. To do this, the server running FSMS must have:

- FedEx Ship Manager Server installed and configured
- Dedicated IP address
- Access to the Internet in order to communicate with FedEx
- Winsock loaded

See the FedEx Ship Manager Server Installation and Configuration Guide for the FedEx Ship Manager Server system requirements.
Getting Started with FSMS

This guide assumes you’ve completed the research and planning that supports the implementation of FedEx Ship Manager Server integration with your shipping process.

It also assumes that you have successfully installed and configured FSMS on a local client. If you've not installed FSMS, please refer to the FedEx Ship Manager Server Installation and Configuration Guide for instructions. The Installation and Configuration guide contains checklists of administrative tasks that help you to properly install FSMS on your local system. If you need assistance, contact your FedEx account executive.

Before you start, be sure to read the FedEx Ship Manager Server Services and Shipping Guide which explains the FedEx features and services you can implement with FedEx Ship Manager Server.

To Get Started

• Read Chapter 1 and 2 in this Developer Guide to get an overview of the FedEx Ship Manager Server product. These chapters describe how FedEx Ship Manager Server works and explain the transaction model that it uses.

• Locate the sections in this guide which provide the information you need to complete your FSMS software integration. For example, if you are implementing a FedEx Ground® U.S. shipping solution, you'll want to become familiar with the transaction syntax that supports that service in Chapter 6.

• Become familiar with the FedEx shipping rules and restrictions that are part of every FSMS shipping transaction you code. This guide describes shipping rules as they relate to a transaction function: for example, rate quotes or weight limits allowed as data values. For a comprehensive guide about FedEx shipping and services, please read the FedEx Services Guide on fedex.com.

• Keep the FedEx Ship Manager Server Transaction Coding Reference available at all times. It is a complete reference guide for all the transaction field elements that you use to code your FSMS transactions.

• For additional developer-centric information and resources that support your work, be sure to log on to fedex.com and register at the Developer Resource Center.

• If you need to register a meter, review the Meter Registration Utility information in Chapter 14: FedEx Ship Manager Server Utilities.
CHAPTER 2: ABOUT FEDEX SHIP MANAGER SERVER TRANSACTIONS

The FedEx Ship Manager® Server is a transaction-based interface to FedEx® shipping services. For this reason, each transaction is based on shipping rules that support FedEx services and shipping operations. It is essential that, as a developer, you understand the shipping logic for each transaction you code. This logic helps you to determine which fields to include in a transaction and is important for developing successful replies that return the information you need for your shipping operations.

This chapter describes the types of FedEx Ship Manager Server (FSMS) transactions that you can develop, and the rules for coding basic transactions.

It includes these sections:

- FedEx Ship Manager Server Transaction Overview
- Before You Begin to Code
- FSMS Shipping Process and Workflow
- FSMS Transaction Request/Reply Pairs
- Basic Shipping Data for FSMS Transactions
- How to Build FSMS Transactions
- Single Piece versus Multiple Piece Transactions
- How to Read FSMS Transaction Coding Tables
- Transactions Do More Than Ship
- Submitting Transactions
- Error Messages and Troubleshooting
- Next Steps
FedEx Ship Manager Server Transaction Overview

FedEx Ship Manager Server (FSMS) provides the speed and efficiency that allows large-volume shippers to move their products quickly from shipping dock, warehouse or distribution center to their destinations using FedEx shipping services. It supports those shipping services which are especially applicable for enterprise businesses that demand constant movement of product from manufacturing or warehouse floor outbound to customer locations.

As your shipment moves from your shipping dock to its final destination, you can track its status and location on fedex.com using an assigned tracking number.

See “FSMS Shipping Process and Workflow” for more information about steps for processing shipments.

Flexible Transaction Functions

FSMS transactions can be coded to meet the detailed requirements and demands of your shipping environment. Because it gives you the ability to write code that integrates with your existing business or warehouse software, you can work in the way that is most efficient for preparing and shipping your product or commodity.

You can code transactions to do almost anything you might need to accomplish as part of your shipping scenario. If FedEx provides the service, in most cases, FedEx Ship Manager Server transactions can deliver that service as part of your integrated solution.

Rule-Driven Transaction Logic

In all instances, FedEx Ship Manager Server transactions are rule-driven. They support and enforce the FedEx shipping rules and restrictions that define the FedEx services. In order to understand how to properly code a successful transaction, you must first understand the FedEx service and shipping rules for the solution you want to implement. This requires research and knowledge transfer.

To assist you, the FedEx Ship Manager Server Services and Shipping Guide describes the shipping rules for each FedEx service that is available with FedEx Ship Manager Server. It also provides At-A-Glance tables to help you determine which solution best fits your shipping needs.

Be sure to contact your FedEx account executive. They can provide guidelines and assist you in making your implementation decisions.

Shipping Services from FedEx

This Developer Guide will help you to code properly formed transactions. When your transactions are properly formed, you ensure that your FSMS client receives the correct information from FedEx to correctly rate and complete your shipment. Likewise, when you adhere to FedEx shipping rules, you ensure that appropriate forms and labels are printed for each shipment you process.

For example, if your shipping is primarily from a Canada location to the U.S., when you tell FedEx the final destination for a package, enter your broker contact, and select the Transborder Distribution service type, FedEx helps you to make sure the package is the correct weight and size for the service specified and that all customs paperwork that must accompany the package is completed for the shipment. This means that the U.S.-Canada customs rules required for cross-border shipping are met and that your shipment is less likely to encounter delays during border crossing.

Use this guide to learn how to code FedEx Ship Manager Server transactions and determine which fields to include in order to adhere to FedEx shipping rules.
Before You Begin to Code

Before you begin coding transactions, it is important to understand the details about the shipping that your company does. If your shipping is integrated with business operations, the type of transactions you may need to code will be different than if your shipping is managed from a warehouse center or if it is managed by separate departments in remote office buildings.

Each FedEx customer shipping environment is unique. Therefore, it is important to approach creating FedEx Ship Manager Server transactions for your FedEx shipping by asking two questions:

- What are the specific shipping needs of my business?
- What are the FedEx shipping options available to me?

Develop Knowledge of FedEx Services

An in-depth understanding of your business, combined with a knowledge of the shipping services provided by FedEx, results in a shipping strategy that will fully support your day-to-day shipping operations.

FedEx Ship Manager Server (FSMS) is a recommended solution for high-volume customers shipping large numbers of packages/pallets each day both within the United States and abroad. Through the FSMS transaction interface, you have the flexibility of selecting multiple function modules that allow you to custom code shipping transactions that give you fast reliable service.

To help you understand what is available, FedEx provides a description of the FedEx Ship Manager Server shipping services in the FedEx Ship Manager Server Services and Shipping Guide. This guide provides At-A-Glance tables that can help you quickly decide which FedEx service best meets your need. Other resources include the FedEx Services Guide and fedex.com.

Become Familiar with Resources

This Developer Guide provides the information you need to build each transaction to your specifications. It contains both field and transaction syntax tables to help guide you through the transaction coding process. It also describes the shipping rules and restrictions which define the transaction values to which you must code.

After you learn how easy it is to code a transaction, you will find the FSMS transaction coding tables in the FedEx Ship Manager Server Transaction Coding Reference very useful. Use this reference guide to quickly look up or confirm specific field properties as you create, finalize and test your completed transaction programs. It also contains a complete list of error codes and messages to help you debug your programs as you work.

For additional assistance, register on fedex.com for the FedEx Ship Manager Server Developer Resource Center. This online web site provides the latest developer information for building and maintaining your FSMS integrated application and shipping solution.
FSMS Shipping Process and Workflow

With FedEx Ship Manager Server, you can select how you want to ship and where in your operations you want shipping to integrate with your other business practices. There are a few basic steps, however, that all shipping processes follow. The following are basic steps for processing a shipment using FSMS:

1—Prepare Your Shipment

Prepare and package your shipment prior to shipping. For certain shippers, this may be a warehouse pick and pack process that results in pallet shipments. For other shippers, operations may require that products be packaged for shipping as individual orders are received and invoices processed.

Follow the rules and restrictions for preparing packages and shipments on fedex.com. Check package weight and size to ensure it is within the allowed limits for the service type you select.

2—Log on to FedEx Ship Manager Server

Use the FedEx Ship Manager Server (FSMS) interface to submit transaction requests and receive data in transaction replies. See the FedEx Ship Manager Server Installation and Configuration Guide for information about configuring the software and logging on to FSMS.

3—Request Tracking Numbers

You may request pre-assigned tracking numbers for packages you plan to ship during the day. Use the 004 Tracking Number Request transaction to receive a range of tracking numbers in a 104 Tracking Number Reply transaction that you can assign to individual packages. This request is most commonly used by shippers who need to give customers tracking numbers before they ship their order.

4—Create Your FedEx Shipment

Use the 020 Global Ship Request transaction to create your shipment.

You can create a shipment in various ways, depending on how many packages are in the shipment.

- Single Package—code a single transaction that creates a one-package shipment that you can ship immediately.
- One or More Packages—code a multiple-piece shipment in either a single transaction or as an Open Ship transaction. Open Ship creates a master shipment when you enter the first package and allows you to add packages to the "open" shipment throughout the day. When the Open Ship shipment is complete, you must confirm that the shipment is complete prior to shipping.

The 020 Global Ship Request transaction must include the required fields that tell FedEx where to send the package, which service to use, how many packages to ship, if the package contains alcohol, dry ice, dangerous goods or hazardous materials, and which special service options to apply.

The 120 Global Ship Reply transaction returns data you need for your labels and documents as well as tracking numbers and other shipment information.

5—Check Rates and Origin/Destination Addresses

Use the 025 Rate Available Services Request transaction to check rates and services for specific origin — destination address combinations. If you are shipping from the U.S. to other countries, checking FedEx service availability to addresses in these countries is important.

6—Process and Complete Your Shipment

If you created an Open Ship shipment, you can continue to add packages as needed throughout the shipping period. When you are ready to complete the shipment, use the 020 Global Ship Request transaction to confirm that the shipment is complete and ready for FedEx pickup.

If you used a single transaction to create and complete the shipment, the shipment is now ready for FedEx pickup.

If you must delete a shipment that you have completed and/or confirmed, use the 023/123 Global Delete Request/Reply transaction. This transaction deletes one or more packages from a shipment or deletes the entire shipment.
7—Print Labels

The 120 Global Ship Reply transaction includes data required for printing labels. Some of this data is coded based on pre-selected options set by the shipper during the FSMS configuration process, such as the label type and printer ID.

You can choose to print your labels after your shipment is processed (at the end), print them for each package as it is processed (Print-As-You-Go) or defer printing of labels by saving labels to a buffer file that you can send to the printer at a later time. If you need to reprint any label, use the 095 Label Reprint Request transaction.

The 195 Label Reprint Reply transaction returns the label for printing on a printer that you've either pre-selected or designated in the 095 transaction.

8—Print Customs and Shipping Documents

You can print customs and shipping documents (such as commercial invoices, manifests and shipper declarations) any time prior to pickup by FedEx. Some of the information that must print on custom forms is pre-configured on your FSMS client. Some of the information must be passed in a 020 Global Ship Request transaction which identifies the report or document you want to generate and print.

9—Attach Labels and Prepare Packages for Pickup

Your package(s) must have a proper FedEx label attached before FedEx can pick up the package. If you are using a custom label that is not a standard FedEx label, be sure to have the label approved by FedEx before you use it on your packages. Improperly designed labels result in packages that cannot be handled by FedEx automation devices at FedEx service locations.

10—Track Packages

This step is optional. You can receive information in real time about your package as it moves towards its destination. Tracking is provided via the Web Services product. For information about transactions that track packages, see the Developer Resource Center at fedex.com/developer.

11—Close All Shipments for the Day

Use the 007 End-of-Day Close Request transaction to close the FedEx shipping meters on your FSMS client and send your shipment information to FedEx. This is a critical step in the FedEx shipping process. When you close your shipping meters at end of day, you enable FedEx to properly route and rate your shipments to provide you the most efficient shipping service and dependability.

12—Exit the FedEx Ship Manager Server Application

When you exit the FSMS interface, be sure you leave your shipping station secure. No unauthorized personnel are able to access your shipping data when you properly shut down FSMS at the end of your shipping day.
FSMS Transaction Request/Reply Pairs

FedEx Ship Manager Server supports FedEx shipping services by designating specific transaction pairs to perform certain functions.

List of FSMS Transaction Pairs

- **004/104 Tracking Number Request/Reply**—obtain tracking numbers for FedEx Express, FedEx Ground and FedEx Home Delivery®.

- **007/107 End-of-Day Close Request/Reply**—perform an end-of-day Close transaction or request the status of the End-of-Day Close.


- **023/123 Global Delete Request/Reply**—delete one or more packages from a shipment or to delete and entire shipment.

- **024/124 Shipment Query Request/Reply**—locate a package in the FedEx Ship Manager Server database.

- **025/125 Rate Available Services Request/Reply**—request rates and service options for specific origin/destination combinations.

- **035/135 Child Meter Registration Request/Reply**—request a new child meter using a transaction rather than the Meter Registration Utility, which is the recommended method.

- **050/150 Service Types and Special Services Request/Reply**—request official service names for shippers who hard-code them.

- **050/150 Versioning Request/Reply**—request your current FSMS software version information, check for software updates or update your software.

- **057/157 Demand Download Request/Reply**—perform the same functions as the FSMS Demand Download Utility.

- **070/170 Meter Query or Configuration Request/Reply**—determine all the meter numbers for a given account number or determine the sender information for a given meter. You can also use this transaction to configure a meter, instead of using the FSMS Configuration Utility.

- **095/195 Label Reprint Request/Reply**—reprint any previously printed labels or forms, either to replace damaged labels or documents, or for shipper records. Labels are available for up to 24 hours after the shipment is processed.

For shipping functions such as e-mail labels and dispatch requests, refer to the FedEx Web Services documentation available on fedex.com.

### 004/104 Tracking Number Request/Reply

Use the **004/104 Tracking Number Request/Reply** transactions to obtain tracking numbers for FedEx Express®, FedEx Ground® and FedEx Home Delivery®.

You can request tracking numbers in advance, if needed, using this transaction. Use the 004 transaction to request and receive a tracking number that can then be assigned in the **020 Global Ship Request** transaction. This is useful if a tracking number is needed prior to a shipment being prepared.

The **104 Tracking Number Reply** transaction is returned to the server which sent the 004 transaction and contains the requested tracking number and also the form ID required for FedEx Express shipments.

**Example**

```
0,"004"1,"Step 009 Pre Assign Trk #"499,"1"99,""
```
Pre-Assigning Tracking Numbers

You can choose to pre-assign tracking numbers to your shipments or have them assigned at ship time. FedEx Ship Manager Server provides the 004/104 Tracking Number Request/Reply transaction to help you obtain tracking numbers for your FedEx packages and shipments. Tracking numbers are allocated by FedEx for each meter configured on your FedEx account.

Use the 004 Tracking Number Request transaction to pre-assign a tracking number to your shipment.

Typically, FedEx customers pre-assign tracking numbers when they want to provide tracking information to their recipient before sending a package, or they need to create a custom label with the tracking number printed.

When you request pre-assigned tracking numbers before shipping packages using the 004 Tracking Number Request transaction, the tracking number is returned in the 104 Tracking Number Reply transaction.

Transaction Rule for Request of Tracking Number

When using the 004 Tracking Number Request transaction to pre-assign a tracking number, the meter number requesting the tracking number must be included in the transaction.

Tracking numbers are assigned at the meter level, so the meter number is required for both the 004 Tracking Number Request and when you ship using the 020 Global Ship Request transaction.

Also see “Tracking FedEx SmartPost Shipments” in Chapter 7: Coding Transactions for FedEx SmartPost.

007/107 End-of-Day Close Request/Reply

Use the 007/107 End-of-Day Close Request/Reply transaction to perform an End-of-Day Close transaction or request the status of the End-of-Day Close.

Submitting an End-of-Day Close request causes the server to upload all package and revenue data to FedEx and generates end-of-day reports. An End-of-Day Close status request returns the status of the current End-of-Day Close transaction but does not cause an End-of-Day Close.

All shippers are required to perform an End-of-Day Close daily.

You must perform an End-of-Day Close request on FedEx Express, FedEx Ground and FedEx Home Delivery (or all simultaneously).

Example

0,"007"1,"FedEx7"498,"4147"3025,"FDXG"99,""

020/120 Global Ship Request/Reply

The 020/120 Global Ship Request/Reply transaction pair are the primary shipping transactions for FedEx Ship Manager Server.

Shipping Requests

Use the 020 Global Ship Request transaction to ship packages using any of the four available shipping methods – single shot, single piece, open ship and multiple-piece shipment (MPS). The 020 transaction must contain all the required field data for shipping the shipment. For example, it must specify the Recipient information, FedEx service type, required shipment and package information and, as applicable, special services and delivery options selected.

You can use the 020 transaction to ship FedEx Express and FedEx Ground shipments intra-U.S. and international.

The 020 Global Ship Request transaction contains the data that supports your entire shipping process, from preparation of the shipment through to the confirmation to ship and printing of labels.
Example


Rates, Routes and Time-in-Transit Requests

You can also use the 020 Global Ship Request transaction to request FedEx Express, FedEx Ground and FedEx Home Delivery rates (U.S. and Canada), FedEx Express routes, and FedEx Ground and FedEx Home Delivery time-in-transit information for shipments.

Example

This example shows a single piece transaction that requests both rate and time-in-transit data for a FedEx Ground shipment.


Pre-Ship Validation

You can pre-validate a shipping transaction for FedEx Express, FedEx Ground and FedEx Home Delivery to ensure that your shipping information is correct prior to ship time. To pre-validate, include field 184 (Pre-Ship Validation Flag) in a single shot or Open Ship transaction (see Chapter 4: FedEx Ship Manager Server Open Ship Transactions).

Example

This code example shows a single shot multiple-piece FedEx Express shipment with pre-validation enabled.


023/123 Global Delete Request/Reply

Use the 023/123 Global Delete Request/Reply transaction to delete one or more packages from a shipment or to delete an entire shipment. The following rules apply to a 023/123 Global Delete transaction.

• Identify the package(s) you want deleted using field 29 (Tracking Number).

• Deletion requests cannot be undone. If you accidentally remove a package from a shipment, you must use the 020 Global Ship Request transaction to re-add it.

• If a tracking number from a FedEx international multiple-piece shipment (MPS) shipment or a U.S. C.O.D./MPS shipment is specified, the entire shipment is deleted as well as the individual tracking number.

• Deleted packages are uploaded as a separate cycle during the end-of-day processing.

Note: Do not use the 023 Global Delete Request transaction to delete International Priority DirectDistribution® shipments.

Examples

0,"023"1,"Global Delete"29,"545095170000927"498,"103942"99,""
0,"123"1,"Global Delete"29,"545095170000927"99,""
024/124 Shipment Query Request/Reply

You can locate a package in the FedEx Ship Manager Server database by sending a 024 Shipment Query transaction and requesting information. This feature is available for all FedEx shipping solutions except FedEx SmartPost.

To search for a specific package by its tracking number, use the following fields:

- Field 29 (Tracking Number) to identify the package you want to query
- Fields 1063 (International Shipment Flag), 1064 (Domestic Shipment Flag), 1176 (Deleted Shipment Flag), 1361 (Shipment Status), and 1689 (Shipment Query Code) are optional; however, using these fields speeds up the query if the transaction is directed to look in a specific database rather than all FSMS databases.

To narrow the search for all packages that have been processed for a specific meter, use fields 116 (Package Total), 1063 (International Shipment Flag), 1064 (Domestic Shipment Flag), 1123 (Master Tracking Number), and 1176 (Deleted Shipment Flag) to target specific databases or specific package criteria.

All tracking numbers processed for a specified meter return in the 124 Shipment Query Reply, along with the Recipient contact, Recipient address line 1, Recipient state, Reference information, and Shipper contact for each tracking number.

Example

0,"024"29,"447997341520","99,""

025/125 Rate Available Services Request/Reply

You can use a single 025 Rate Available Services Request to receive the available FedEx services and corresponding rate quotes based on your specified package, service and origin/destination information.

This transaction is available for FedEx Express and FedEx Ground services with U.S., Canada and Puerto Rico origins.

If field 1274 (Service Type) and field 1273 (Packaging Type) are not passed in the Request, then all valid service/packaging combinations for the origin/destination pair are returned in the Reply. If only one of these fields is passed in the Request, then the transaction functions as though the field is not present and requests all valid service/packaging combinations based on the origin/destination pair.

By providing more information in the Request transaction, you can receive a Reply transaction with more specific information.

Example

035/135 Child Meter Registration Request/Reply

Use this transaction to register a child meter. The following business rules apply:

- The postal code is required for countries that are postal aware. If the country registering for a new child meter is not postal aware, no input is required. For a list of postal aware countries, see Appendix C in the FedEx Ship Manager Server Transaction Coding Reference.

- State and/or province are required for U.S., Canada and Puerto Rico only. No input is required if the countries outside these regions.

- You must have a parent meter configured on the system running FedEx Ship Manager Server.

After registration is complete, the new child meter number is displayed on the meter level lists in the FSMS Configuration Utility. You can control whether or not a child meter can be requested for a master meter number using the FSMS Configuration Utility.

Example of 035 Transaction Input

```
```

Example of 035 Transaction Output

```
```

050/150 Service Types and Special Services Request/Reply

The 050 Service Types and Special Services Request transaction returns the FedEx service branded names, service short names, special service names, accessorial names and packaging types depending on your input request.

This transaction includes the supported codes, a brief description of the product or service, the official full name of the product and service, weight limits and delivery commitments as applicable.

Control (service type) information is available for FedEx Express and Ground for the following shipment areas:

- Domestic U.S.
- International
- Intra-Canada

You may also use this transaction to return software version information or update your software (see “050/150 Versioning Request/Reply” in this chapter).
### Example

```
0, "050"1,"Service Types and Special Services"498, "1274,"01"1989,"03"99,""
0,"150"1,"Service Types and Special
3,"1"99,""
```

### 050/150 Versioning Request/Reply

Use the **050/150 Versioning Request/Reply** transaction to perform these tasks:

- **Return FSMS software version for your implementation** (such as FXRS1001), including number, FSMS build date, CRS version number, and CLS version number.
- **Check for software updates.** For example, if your software version is FSMS0840 and delta is available to upgrade to FXRS1001, this information is returned in the reply.
- **Update your software version.** If you code field 1989 (Transaction Function) to update now, the delta download is started.

You can also use the **050/150 transaction** to return service types and special services information.

### Example

```
AREA"11,"FEDEX CORPORATION"12,"TESTER"13,"CSCS TEST LAB"14,"PM
0,"150"1,"Step 00001-
```

### 057/157 Demand Download Request/Reply

The **057/157 Demand Download Request/Reply** transactions perform the same functions as the FSMS Demand Download utility.

You can use field 1053 (Download Flag) to specify the type of data you want to download. FedEx provides updates, if available, for any selected flag. You can also perform a demand upload by including field 2423 (Upload Flag).

The **Demand Download Utility** is described in Chapter 14: FedEx Ship Manager Server Utilities.

### Example

```
0,"057"1,"Demand Download
Request"10,"410885743"498,"103941"1053,"YNNNNNNNNNNNNNN"99,""
0,"057"1,"001 DOM PO YP"26,"100"44,"Test"46,"New
```
070/170 Meter Query Request/Reply

You can use this transaction to determine all the meter numbers on your FSMS server for a given account number, or determine the sender information for a given meter.

You can also use this transaction to configure a meter, rather than using the FSMS Configuration Utility. See the FedEx Ship Manager Installation and Configuration Guide.

The following business rules apply to the meter configuration function:

• The new configuration transaction does not allow adding or deleting a meter.
• Each meter must send a separate 070 transaction for configuration. For example, if you have one parent meter and three child meters, then four separate 070 transactions must be entered to make configuration changes for all meters.
• The following fields from the FSMS Configuration Utility can be configured using the 070 transaction:
  – All fields on the Doc Tab screen
  – FedEx Express DG Printer ID
  – FedEx Express DG Printer Form Type
  – FedEx Ground Hazmat Printer ID
  – FedEx Express/FedEx Ground Commercial Invoice
  – FedEx Ground Hazardous Materials Certification
  – Client Name or Client Version
  – Middleware Name
  – Middleware Version
  – Time Zone
  – Late Drop-Off
  – Sender E-mail ID
  – Variable Handling fields

Example

0,"070","Meter Info Query"498,"103942"556,"2"99,""

095/195 Label Reprint Request/Reply

Use the 095/195 Label Reprint Request/Reply to reprint any previously printed label. You can also print labels that you save to a buffer file and have not yet printed.

You may use this transaction to reprint customs documents such as a commercial invoice, Proforma invoice, certificate of origin or shipment detail report.

The following rules apply:

• The ability to reprint a label is available for at least 24 hours, up to a maximum of 48 hours, based on the ship date and time. For example: you ship a two-package FedEx international shipment on 07/02/05 at 16:30. You may reprint the labels from this shipment up to 22:59 on 07/03/05. The time frame in this example is 34 hours and 30 minutes.
• Future Day shipments may be reprinted based on the create date and not the actual ship date. Therefore, if you ship a multiple-piece shipment (MPS) on 07/02/05 at 16:30 with a ship date of 07/10/05, you still have until 07/03/05 at 22:59 to reprint the label.

Example

0,"095","Label Reprint"29,"449690373662"537,"\FedEx_133\FSMS"99,""
**FedEx Web Services**

In addition to the FedEx Ship Manager Server transactions, you can use FedEx Web Services for real-time response from FedEx. You may use Web Services transactions to perform the following Web Services functions:

- Address Validation
- Tracking and Visibility


---

**Basic Shipping Data for FSMS Transactions**

For any transaction processed by FedEx Ship Manager Server (FSMS), you must include basic shipping information fields.

**METER Number**

Before FedEx can accept your shipment, FSMS must verify that you are a registered FedEx customer and must check that the services you request are appropriate for the services you’ve contracted with FedEx. If you have multiple meters configured, you must always provide your FedEx meter number in each transaction you process, or if not provided, FSMS defaults to the parent/master meter.

**RECIPIENT Information**

Getting your package from one place to another requires that you tell FedEx who to ship the package to. This information appears in the "To:" section of the shipping label.

FedEx Ship Manager Server creates a shipment only if you provide this information. Therefore, a basic requirement of a shipping transaction are fields that provide the Recipient name, address and phone number.

**SENDER/SHIPPER Information**

You or a FedEx technical consultant configures Shipper information during a FedEx Ship Manager Server installation. FSMS maintains this information and you do not need to enter it into a transaction each time you create a shipment. When you enter your meter number in a transaction, FSMS correlates the meter number with your Shipper information and prints this information on the shipping label and other required documentation.

If you want to use information that is different from the configured Shipper information, you must provide the Sender name, address and phone number in a shipping transaction in the appropriate fields.

**SERVICE Type**

The FedEx service type you select determines how a package is shipped and identifies the restrictions for such items as package size or weight and where you can ship. Be sure to research FedEx service options in the FedEx Ship Manager Service and Shipping Guide and/or in the FedEx Service Guide available on [fedex.com](http://fedex.com).

**PACKAGE Information**

You may choose to ship individual packages in single transactions or you may choose to bundle them together in a multiple-piece shipment (MPS) if they are going to the same recipient.

Regardless of the shipping method you choose, each package has required information that you must provide in a shipping transaction.

Depending on the FedEx service type you select, the service contract agreement(s) you have with FedEx and the type of package(s) you are shipping, the amount and type of information you must provide about the package(s) you ship is different. At the minimum, you may need to supply the weight of the package (or shipment weight) and the packaging type. International and cross-border shipments require more detailed package and commodity information to properly complete customs and broker documents.
PAYMENT Type

FedEx Ship Manager Server (FSMS) calculates the rate and returns the shipping amount in the 120 Global Ship Reply transaction. You must, however, tell FSMS who to bill for the service. You can bill one of three entities:

- 1—person or company sending the shipment (called the Sender)
- 2—person or company receiving the shipment (called the Recipient)
- 3—third-party person or company who must be identified

When the recipient or a 3rd party is billed, FedEx Express shipments do not return a rate.

TRANSACTION Identifier

Each transaction is identified by a unique number called a Customer Transaction Identifier. The person who codes the transaction creates this number and ensures that it is not reused in his transaction program. In the case of large bulk shipments or batch transaction files, including the Customer Transaction Identifier (field 1) in the Request transaction allows you to link the Reply transaction back to the Request transaction. For example, if you enter the identifier “SS4404” in field 1 (1,”SS4404”) in the Request transaction, FSMS returns 1,”SS4404” in the Reply transaction allowing you to see that the two transactions are related.

FedEx Ship Manager Server does not require this field, but it is available and recommended for customer use.

How to Build FSMS Transactions

Building a FedEx Ship Manager Server (FSMS) transaction is a process that begins with collecting information about your shipment.

When you build a FedEx Ship Manager Server transaction, you provide information to FedEx Ship Manager Server that tells FedEx how to get your package shipped from you to its destination. The information must say what the package is and how you want it shipped.

FedEx determines the best route for getting it to its final destination and returns the rate and tracking information you need to bill and close the shipment.

KEY ELEMENTS of INFORMATION

To make the shipping operation happen, the FSMS transaction that creates the master shipment must contain three key elements of information related to the 1) Package, 2) Sender and 3) Recipient.

Figure 2-1 Key Elements of Transaction Information

The Sender and Recipient information must include contact information and address locations that tell a FedEx courier where to pick up the package and where to deliver it. The Package information must inform FedEx of the physical characteristics of the item to be shipped so that FedEx knows whether it is a freight shipment or overnight delivery of a legal document.

As the Sender, it is your responsibility to provide FedEx with this information and also to fulfill all legal, domestic and international requirements or regulations that may be related to your Package. There is a FSMS transaction field for each of these.

When you provide your FedEx meter number in a transaction, you tell FedEx who you are (as Sender) and where the package will originate: that is, if you are shipping it from your registered place of business.

Note: This information is configured as part of your FedEx Ship Manager Server installation. FSMS transactions automatically use the defaults for the Sender information configured in the FSMS Configuration Utility. If you are shipping from a location that is different, you must include the Sender address in the transaction.
If you are shipping from a location that is different from your place of business, you must include the Sender address in the transaction.

**GROUPED FIELD DATA for KEY ELEMENTS**

The following illustration shows some of the fields you might include to construct a basic FSMS transaction based on information required for SENDER, PACKAGE and RECIPIENT. Required or conditionally required fields are shown in bold.

*Figure 2-2 Field Information for Key Elements*

If you are sending multiple packages and must account for total weight of the shipment, you must include the package weight in field 1670 for each package you send, as separate occurrences of the field. Recipient information is a requirement of all shipping request transactions. At a minimum, you must identify the company name, contact name and country code.

**SHIPMENT and SERVICE INFORMATION**

There is additional information you must provide related to the Shipment itself. Each FSMS transaction must also identify the specific FedEx service you’ve selected to use to ship your Package, such as FedEx Standard Overnight® or FedEx International Priority®, and other special service options, such as whether to require a Delivery Signature or to send the package as Collect on Delivery. If you’ve decided to use the Open Ship method to build a shipment of multiple packages over some shipping period, you must tell FedEx that you will be confirming packages which belong to a larger master shipment over the course of your shipping day.
In addition, you may want to consider printing extra information on your FedEx shipping label or print reports for invoicing or company records. All these activities occur only when you send the appropriate field data in a shipping transaction.

*Figure 2-3* Shipment plus Field Information for Key Elements

<table>
<thead>
<tr>
<th>SENDER</th>
<th>PACKAGE</th>
<th>RECIPIENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Company – Field 4</td>
<td>Height – Field 57</td>
<td>Company – Field 11</td>
</tr>
<tr>
<td>Contact Name – Field 32</td>
<td>Length – Field 59</td>
<td>Contact Name – Field 12</td>
</tr>
<tr>
<td>Address Line 1 – Field 5</td>
<td>Width – Field 58</td>
<td>Address Line 1 – Field 13</td>
</tr>
<tr>
<td>Address Line 2 – Field 6</td>
<td>Pkg Weight – Field 1670</td>
<td>Address Line 2 – Field 14</td>
</tr>
<tr>
<td>City – Field 7</td>
<td>Reference Info – Field 25</td>
<td>City – Field 15</td>
</tr>
<tr>
<td>State/Province – Field 8</td>
<td>Pkg Sequence – Field 1117</td>
<td>State/Province – Field 16</td>
</tr>
<tr>
<td>Postal Code – Field 9</td>
<td>Packaging Type – Field 1273</td>
<td>Postal Code – Field 17</td>
</tr>
<tr>
<td>Phone Number – Field 183</td>
<td>Service Type – Field 1274</td>
<td>Phone Number – Field 18</td>
</tr>
<tr>
<td>Country Code – Field 117</td>
<td>Package Total – Field 116</td>
<td>Fax Number – Field 1201</td>
</tr>
<tr>
<td>E-mail Address – Field 1201</td>
<td>Declared Value – Field 69</td>
<td>Country Code – Field 50</td>
</tr>
<tr>
<td>Fax Number – Field 1103</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SHIPMENT**

<table>
<thead>
<tr>
<th>FEDEX SERVICE</th>
<th>SHIPPING OPERATIONS</th>
<th>LABELS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meter Number – Field 498</td>
<td>Ship Date – Field 24</td>
<td>Printer Type Indicator – Field 187</td>
</tr>
<tr>
<td>Service Type – Field 1274</td>
<td>Open Ship Flag – Field 451</td>
<td>Label Type – Field 187</td>
</tr>
<tr>
<td>Payor Type – Field 23</td>
<td>Open Ship Index – Field 452</td>
<td>Laser Printer ID – Field 544</td>
</tr>
<tr>
<td>Payor Acct Number – Field 20</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**REPORTS**

<table>
<thead>
<tr>
<th>REPORTS</th>
<th>TRACKING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Report Code – Field 1373</td>
<td>Tracking Number – Field 29</td>
</tr>
<tr>
<td></td>
<td>Master Tracking – Field 1123</td>
</tr>
</tbody>
</table>

**RATE QUOTES**

<table>
<thead>
<tr>
<th>RATE QUOTES</th>
<th>ROUTE/TIME IN TRANSIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>List Rate Return Code – Field 1511</td>
<td>Rate/Route/Time-in-Transit – Field 1234</td>
</tr>
<tr>
<td>List Net Charge Amt – Field 1528</td>
<td></td>
</tr>
<tr>
<td>List Base Charge – Field 1518</td>
<td></td>
</tr>
</tbody>
</table>

**SELECT the TRANSACTION ACTION**

Each field you choose must be specific to the final shipping action you want to create. When you use the FedEx Express, FedEx Ground or FedEx SmartPost® services, the Request transaction you send to FedEx initiates the FedEx operations that deliver the FedEx shipping services you selected.

FedEx Ship Manager Server provides different types of transactions for different shipment-related tasks. We’ve used the 020 Global Ship Request transaction as the example, but there are other transactions which register new child meters, query shipping databases, track shipments locally and globally, delete shipments and return FSMS software information.

To properly construct a FSMS transaction, you must understand what you want to accomplish and how, whether that's shipping packages or collecting a day's worth of data for reports. Each FSMS-related task requires a specific array of fields that you code within the appropriate transaction type for that task.

You'll find information in this *Developer Guide* to assist you in determining which fields to use for which tasks. Also use the *FedEx Ship Manager Server Transaction Coding Reference* to find specific information about specific fields you want to include in a transaction. Fields are listed by transaction type, field ID and field name in that guide.
Transaction String Elements

Transaction records are null-terminated strings that do not contain carriage returns or line feeds. Each FedEx Ship Manager Server transaction record consists of these elements:

**Figure 2-4** Transaction String Elements

<table>
<thead>
<tr>
<th>BEGIN Field</th>
<th>DATA_FieldA</th>
<th>DATA_FieldB</th>
<th>DATA_FieldC</th>
<th>END Field</th>
</tr>
</thead>
<tbody>
<tr>
<td>0,&quot;&lt;request_transaction_id&gt;&quot;</td>
<td>&lt;field_id&gt;,&quot;&lt;field_value&gt;&quot;</td>
<td>&lt;field_id&gt;,&quot;&lt;field_value&gt;&quot;</td>
<td>&lt;field_id&gt;,&quot;&lt;field_value&gt;&quot;</td>
<td>99,&quot;&quot;</td>
</tr>
</tbody>
</table>

**BEGIN and END Fields**

Each transaction has a "BEGIN" field and an "END" field. These two fields tell FedEx Ship Manager Server where the transaction begins and where it ends.

- **BEGIN = Transaction Code Field**
  
  The first field of any transaction is field 0 (Transaction Code). Start all Request transactions, such as the 020 Global Ship Request, with the following:
  
  0,"<request_transaction_id>"

- **END = End of Record Indicator**
  
  The last field of any transaction is field 99 (End of Record Indicator). End all transactions with the following:
  
  99,""

  Note: Do not use spaces or extra characters between the quotation marks in the 99,"" code.

  Note: When FSMS returns the Reply transaction, the field 0 (Transaction Code) value is the Reply transaction ID. For example, if you send a 020 Global Ship Request transaction, FSMS returns a transaction that begins with 0,"120" to indicate it is a 120 Global Ship Reply transaction.

**DATA Fields**

Between the BEGIN and END fields are the DATA fields. Each DATA field consists of a field/value pair separated by a comma. Each field/value pair consists of the following information:

- **Field ID number**—one for each piece of data received or sent in a transaction
- **Field value**—value associated with the field ID and enclosed in double quotation marks (" ")

For example, if you are coding data field 15 (Recipient City) and you want to assign Memphis as the value, the format for this field is as follows:

  15,"Memphis"

The transaction string is made up of an array of DATA field/value pairs that contain information required for a specific transaction. Each transaction string is started by a BEGIN field and terminated by an END field.

**Example of an FSMS Transaction**

This is an example of a FedEx Ship Manager Server transaction statement that contains data for a shipment request of a single package using FedEx Express.


The following vertical representation of the string above shows the DATA fields added between the BEGIN field and the END field. The DATA fields consist of a Field ID number and field value separated by a comma. The field value is always given in double quotes (" ").
Table 2-1 BEGIN, DATA and END Field Elements in Example Transaction

<table>
<thead>
<tr>
<th>Field</th>
<th>DATA</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>&quot;020&quot;</td>
<td>BEGIN, Start of 020 Global Ship Request transaction</td>
</tr>
<tr>
<td>1</td>
<td>&quot;Express single package&quot;</td>
<td>Field 1 Customer Transaction Identifier</td>
</tr>
<tr>
<td>11</td>
<td>&quot;ACE Bikes&quot;</td>
<td>Field 11 Recipient Company</td>
</tr>
<tr>
<td>13</td>
<td>&quot;20 Peachtree Rd.&quot;</td>
<td>Field 13 Recipient Address Line 1</td>
</tr>
<tr>
<td>15</td>
<td>&quot;Atlanta&quot;</td>
<td>Field 15 Recipient City</td>
</tr>
<tr>
<td>16</td>
<td>&quot;GA&quot;</td>
<td>Field 16 Recipient State/Province</td>
</tr>
<tr>
<td>17</td>
<td>&quot;30052&quot;</td>
<td>Field 17 Recipient Postal Code</td>
</tr>
<tr>
<td>18</td>
<td>&quot;9012639234&quot;</td>
<td>Field 18 Recipient Phone Number</td>
</tr>
<tr>
<td>23</td>
<td>&quot;1&quot;</td>
<td>Field 23 Pay Type 1=Bill Sender</td>
</tr>
<tr>
<td>25</td>
<td>&quot;CR001 Package 1&quot;</td>
<td>Field 25 Reference Information</td>
</tr>
<tr>
<td>50</td>
<td>&quot;US&quot;</td>
<td>Field 50 Recipient Country</td>
</tr>
<tr>
<td>187</td>
<td>&quot;199&quot;</td>
<td>Field 187 Label Format Value/Printer Type Indicator 199=Eltron LP2348/LP2443 4 x 6 doc tab</td>
</tr>
<tr>
<td>498</td>
<td>&quot;999999999&quot;</td>
<td>Field 498 Meter Number</td>
</tr>
<tr>
<td>1273</td>
<td>&quot;01&quot;</td>
<td>Field 1273 Packaging Type 01=Customer Packaging</td>
</tr>
<tr>
<td>1274</td>
<td>&quot;01&quot;</td>
<td>Field 1274 Service Type 01=FedEx Express Priority Overnight®</td>
</tr>
<tr>
<td>1670</td>
<td>&quot;350&quot;</td>
<td>Field 1670 Package Weight/Shipment Weight Note: Value accepts two implied decimal places, therefore 350 means 3.5 pounds.</td>
</tr>
<tr>
<td>3062</td>
<td>&quot;2&quot;</td>
<td>Field 3062 Rate Quote Type 2=List Rates and Discount Rates</td>
</tr>
<tr>
<td>99</td>
<td>&quot;&quot;</td>
<td>END, Ends the 020 Global Ship Request transaction</td>
</tr>
</tbody>
</table>

The DATA fields inserted in this example transaction string are specific to the request by the shipper (identified by field 498) to send a package (identified by field 25) to a recipient (identified by company name and address) using a FedEx service (identified in field 1274). The transaction also requests the return of a rate quote for the shipment (identified in field 3062).
Beginning a Transaction String

Each transaction begins with the field 0 (Transaction Code). This "BEGIN" field tells FedEx Ship Manager Server where to start looking for the data it needs to perform your shipping request.

Field 0 must contain a value that indicates the specific Request transaction to perform. The field always appears at the beginning of a transaction string with one of the following values:

- **004** or **04** or **4**—004 Tracking Number Request: 0,"004"
- **007** or **07** or **7**—007 End-of-Day Close Request: 0,"007"
- **020** or **20**—020 Global Ship Request: 0,"020"
- **023** or **23**—023 Global Delete Request: 0,"023"
- **024** or **24**—024 Shipment Query Request: 0,"024"
- **025** or **25**—025 Rate Available Services Request: 0,"025"
- **035** or **35**—035 Child Meter Registration Request: 0,"035"
- **050** or **50**—050 Versioning or Service Types and Special Services Request: 0,"050"
- **057** or **57**—057 Demand Download Request: 0,"057"
- **070** or **70**—070 Meter Query Request: 0,"070"
- **095** or **95**—095 Label Reprint Request: 0,"095"

Table 2-2 describes how to use the Transaction Code Field 0.

Table 2-2 Field 0 Begins Transaction Strings

<table>
<thead>
<tr>
<th>Action</th>
<th>Field ID</th>
<th>Field Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Transactions: ALL</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>To begin a transaction string</strong></td>
<td></td>
<td>Field 0</td>
<td>Transaction Code</td>
</tr>
<tr>
<td><strong>Use...</strong></td>
<td>Field 0</td>
<td>Transaction Code</td>
<td><strong>Field Level:</strong> Shipment <strong>REQUIRED.</strong> Indicates the start of a transaction. For example, 0,&quot;020&quot; or 0,&quot;20&quot; signifies the start of the 020 Global Ship Request transaction.</td>
</tr>
</tbody>
</table>
**Ending a Transaction String**

Each transaction ends with the field 99 (End of Record Indicator). This "END" field tells FedEx Ship Manager Server that the transaction has sent all data required for the requested action.

Field 99 does not take a value. The field always appears at the end of a transaction string with a null value which looks like this: `99,```

Table 2-3 describes how to use the End of Record Indicator Field 99.

<table>
<thead>
<tr>
<th>Table 2-3 Field 99 Ends Transaction Strings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
</tr>
<tr>
<td>--------</td>
</tr>
<tr>
<td>Transactions: ALL</td>
</tr>
<tr>
<td>To end a transaction statement</td>
</tr>
<tr>
<td>Use...</td>
</tr>
</tbody>
</table>

**Data Fields and Values**

The data fields in a FedEx Ship Manager Server transaction string provide the information that FedEx requires to perform multiple shipping and operational tasks. For example, fields contain information that tells FedEx:

- Where to pick up the package or shipment unit
- Who and where to deliver it
- If there is a time-critical restriction associated with the package
- If it contains dangerous goods or hazardous materials
- If it requires an adult signature
- Who will pay for the shipping and delivery
- And more

Fields also contain important tracking, shipping invoice and rate information. You can request information from your shipping database to be placed in reports, or ask to have the most recent list rates uploaded to your FSMS client. The information you request is returned by FedEx in a Reply transaction that contains data fields with the information you requested. Because all fields are identified by a number, called a field ID, you must decipher the meaning of each field and its frequently coded value.

The FedEx Ship Manager Server Transaction Coding Reference guide contains a list of all FedEx Ship Manager Server fields. Appendix A lists all fields by their identification number from 0 to 9999. Appendix B lists all fields by their coded field name. To understand what a field ID means or to identify the ID number for a field you want to code, use this guide as your reference for all field-related information.

How to determine which fields in the Transaction Coding Reference you need to include in a specific transaction is described in "How to Build FSMS Transactions".
Field ID / Value Pairs

FedEx Ship Manager Server (FSMS) relies on well-formed transaction statements consisting of field/value pairs. In a field/value pair, the field identification number (ID) is associated with a data value. A data value, also referred to as a field value, can be a number, a word or phrase of words. You can identify each FSMS field by its unique identification number, called a field ID.

For example, field 11 is the data field for Recipient company name. You can use field 11 in a 020 Global Ship Request transaction to tell FedEx who to send a package to. If the company name is MacroDynamic Inc., the field/value pair would be coded as 11,”MacroDynamic Inc.”.

In the above example, the field/value pair provides the data (company name) required to perform a shipping function (ship package to recipient). But field/value pairs can also act as flags to enable specific FSMS functions, such printing to a laser printer or enabling the DELETE package function in an Open Ship shipment workflow.

It can also flag FedEx service options, such as Collect on Delivery or dangerous goods. For example, in the Saturday Pickup Flag field (1646), the data value is either Y (Yes) or N (No) to indicate selection of the Saturday Pickup service option.

See “Transaction String Elements” to learn how field/value pairs are used to create transactions.

Field Data Types

A FedEx Ship Manager Server (FMS) transaction field allows only the following data types:

- Alpha—(A) allows alphabetic characters only, such as Y.
- Numeric—(N) allows numeric characters only, such as 1234.
- Alphanumeric—(A/N) allows both alphabetic and numeric characters, such as a street address: 102 Tempe Road. Alphanumeric fields accept letters, numbers, blank spaces, and some special characters.
- Any Keyboard Entry—(AKE) allows all alphabetic and numeric characters including special characters.

The following special characters can not be included in a transaction: double quotation marks ("), single quotation marks/apostrophes (’) and carets (^).

As you code transactions, make sure each field value you enter is correct for the field's data type.

Each field's data type is described in the FedEx Ship Manager Server Transaction Coding Reference guide in the Data Type column of each field table.

Field Types and Value Formats

Specific editing rules apply to each of the following field types:

Date Fields

Date fields must be eight digits in length, with all zeros included, in CCYYMMDD format. For example, code March 1, 2005 as follows:

"20050301"

Numeric Fields

Numeric fields must not contain commas, decimal points, blanks, or other non-numeric characters. Field lengths display in the FedEx Ship Manager Server Transaction Coding Reference guide as the total number of characters in the field plus any implied decimal places (described in the following paragraph). For example, field 119 (Total Customs Value) specifies a field length of 14.2: 14 specifies that the total field length is 14 numeric characters and .2 specifies that the last two numbers are interpreted as the decimal value.

Some fields are fractional fields that allow entries in decimal format. The format can be in either implicit decimals or explicit decimals. An example of an implicit decimal would be “500” for $5USD when the field has two implicit decimals. The explicit decimal format displays the actual decimal, such as “256.5” for 256 ½, when the field length specifies one explicit decimal.

For example, if the value of field 119 (Total Customs Value) is $125,000USD, the recommended coding is as follows:
The field could also be coded with leading zeros as:

119,"0000012500000"

The leading zeros are disregarded by the server, but they do slow down processing.

You only need to include significant digits. Do not add leading zeroes to the beginning of a numeric field data value unless the field’s data definition specifically requires you to do so.

Note: Spaces are not allowed.

The following example shows a field with a maximum length of 6.2 coded as:

"123456"

It is interpreted as follows:

1234.56

The following example shows a field with a maximum length of 6.0 or 6 coded as:

"123456"

It is interpreted as follows:

123456

**Postal Codes**

Postal codes can consist of 5, 6, or 10 alphanumeric characters, depending on the destination country, with no special characters. For example, you must code L5N-5R6 as follows:

"L5N5R6"

The following example shows postal code 38115-1096 coded correctly as:

"381151096"

Note: All postal codes for postal aware countries are validated by FedEx Ship Manager Server prior to shipment confirmation. If the postal code is invalid, FedEx Ship Manager Server returns an error message.

**Weights**

Field 1670 (Weight) specifies two implied decimals on all shipments regardless of whether the weight type entered in field 75 (Weight Units) is LBS or KGS. You can code both 25 pounds and 25 kilograms as follows:

"2500"

The system rounds any fractional value up to the next highest whole pound or half kilogram. For example, 25.5 pounds is coded as follows:

"2550"

and is rounded up to 26 pounds.

In another example, 12.4 kilograms is coded as follows:

"1240"

and is rounded up to 12.5 kilograms.

**Printer ID Fields**

Printer ID fields 537 (Thermal Printer Identifier) and 545 (Form Printer ID) cannot contain blank spaces. However, underscores are allowed. For example, the following printer ID entry is coded correctly:

537,"FedEx_162\FSMS"
Rules for Coding Field/Value Pairs

Follow these rules when coding field/value pairs in a FedEx Ship Manager Server transaction:

- **Left Justify Within Double Quotation Marks**
  Field values must be left justified within double quotation marks. Do not include leading or trailing spaces.

- **Use of Double Quotation Marks**
  You can use two accent marks (""") to give the appearance of a double quotation mark, as follows:
  
  12,"Robert`Bob` Shipper"

  In another example, an entry with an apostrophe is incorrect, such as:
  
  12,"Robert O’Brien"

  You can use a single accent mark (‘) to give the appearance of an apostrophe, such as:
  
  12,"Robert O’Brien"

- **No Spaces Between Fields**
  Spaces between fields are not allowed. For example, you can format field 12 (Recipient Contact Name) with a space inside the quotation marks as follows:
  
  12,"Bob Shipper"

  However, if you add field 13 (Recipient Address Line 1) to the transaction string, you cannot put any spaces between the end of field 12 and the beginning of field 13. The following example shows the correct syntax:
  
  12,"Bob Shipper"13,"1 Shipper Road"

**Required and Optional Fields**

To code a well-formed FedEx Ship Manager Server (FSMS) transaction, you must include all fields that are required to complete the logic for that transaction. You may, in addition to these required fields, include optional fields, such as delivery instructions or reference label information, which may provide information that is important to you. If an optional field is removed, a transaction processes successfully. If a required field is missing, FSMS returns an error code and message.

All required fields are clearly identified in the *FedEx Ship Manager Server Transaction Coding Reference* tables.

**Identifying OPTIONAL Fields**

When you see the word “Optional” in a field description, it means that you can choose to include or not include the field in the transaction. It is not required in order for the transaction to successfully complete.

**Identifying REQUIRED Fields**

When you see the word “REQUIRED” in a field description, it means that you must include this field in the transaction. If the field is omitted, the transaction will fail.

When you see the word “REQUIRED*” with an asterisk (*), it means that the field is conditionally required for the transaction. Look for the asterisk note in the description. It will tell you under which circumstances the field is required.

**Identifying DEFAULTED Fields**

Certain fields have a default value that is automatically inserted in the transaction if you do not include the field: in other words, if the field is not present. These defaulted fields are similar to REQUIRED fields, in that their values are required for the transaction to complete. Typically, defaulted field values are pre-configured during the FedEx Ship Manager Server installation and setup. If you want to override the configured value, you must include the field in the transaction and specify a new value.

See the *FedEx Ship Manager Server Transaction Coding Reference* for descriptions of each field available for coding FSMS transaction. You’ll find the required or optional designation for a field in the Description column of each field table. Default values are also indicated where applicable in a field description.
Package and Shipment Level Fields

When you create a single shipment that includes multiple packages, you must distinguish between shipment-level and package-level fields when you create transaction strings.

Shipment-level field values apply to all packages in the shipment. Package-level field values apply only to a particular package.

**SHIPMENT-Level Field**

Shipment level indicates that in a multiple-piece shipment (MPS) the value of the field applies to all packages in the shipment. Use shipment-level fields for single transaction MPS shipments. Follow these guidelines:

- Use shipment-level fields only as a single occurrence in a single transaction that creates, confirms and ships an MPS shipment.
- Do not repeat the field for each package in a single-transaction MPS shipment.
- Do not place a shipment-level field in each ADD PIECE transaction of an Open Ship shipment.

**PACKAGE-Level Field**

Package level indicates that, in a multiple-piece shipment (MPS), the field value applies only to a particular package. To apply the value to several packages, you must repeat the field for each subsequent package. Follow these guidelines:

- For single transaction multiple-piece shipments, use only one occurrence of each package-level field in the transaction.
- If you want to create an Open Ship shipment that includes multiple packages, be sure to include the package-level fields in the CREATE transaction string.
- For any MPS Open Ship shipment that uses package-level fields, repeat each field for each package in the CREATE and ADD PIECE transactions.

Note: Proper use of shipment-level and package-level fields apply to all FedEx shipping services.

**How to Distinguish Field Level**

Any field with MPS shipment-level or package-level properties is identified in the FedEx Ship Manager Server Transaction Coding Reference guide.

To distinguish MPS shipment-level or package-level attributes

1. Use the field ID number or field name to find the field in a Transaction Coding Reference field table.
2. Go to the Description column.
3. If a field is required at the shipment or package level, the first line in the Description reads **Field Level:** Shipment or **Field Level:** Package. If there is no attribute shown, the field has no field-level usage rules.
Single Piece versus Multiple Piece Transactions

Whether you include one package or multiple packages in your shipment changes the options you may have for coding a shipping transaction.

**SINGLE PIECE**

The term **single piece** refers to a single package or single handling unit that comprises the shipment. In FedEx Ship Manager Server, single pieces are always shipped in a single **020 Global Ship Request** transaction.

For example, this transaction is a FedEx Ground single-piece shipment with the Electronic Collect on Delivery service option selected. All shipping information required to create the shipment and deliver the package is included in a single transaction string.

```
0,"020","Ground E.C.O.D. w/o 3rd Party Return","11","Recipient Company","12","Someone","13","20 Peachtree Rd."15","Memphis","17","38125","18","9012639234","23","1","50","US","100","177","199","498","537","C:\2D Bar Code","1273","01","1274","92","1282","B","1660","Y","1670","1600","3000","1","3014","Y","3056","PO Number 0001","3062","2"99,""
```

**MULTIPLE PIECE**

The term **multiple piece** refers to two or more packages or handling units that are added to a shipment to create a multiple-piece shipment (MPS).

For FedEx Express and FedEx Ground package services, you can ship multiple pieces as a multiple-piece shipment if the pieces:

- Use the same service, bill-to instructions, packaging type and delivery instructions. For example, they must all be shipped using the FedEx Express OR FedEx Ground package service, and if a service option is selected, such as Saturday pickup or delivery or FedEx Home Delivery premium service, it must apply to all pieces in the shipment.
- Move together and ship on the same day from one Sender to one Recipient.
- Meet all size, weight and acceptance guidelines for the selected service.

Individual packages in a multiple-piece shipment may have different weights, dimensions and declared values. Within the U.S. only, individual packages in a multiple-piece shipment processed through FedEx electronic shipping solutions may contain different designations of dangerous goods (for FedEx Express) or hazardous materials (for FedEx Ground).

Each individual piece or single handling unit must have an address label showing the complete Sender and Recipient addresses.

Each piece in a multiple-piece FedEx Express Freight shipment must be palletized, stackable, banded, shrink-wrapped and able to be moved with a forklift to form single handling units.

When a multiple-piece shipment that uses a U.S. package service attains a total shipment weight of 100 LBS for FedEx Express or 200 LBS for FedEx Ground (with FedEx Ground Multiweight contract rates), it is rated on a price-per-package and a price-per-total shipment-weight basis. You are billed the lower of the two rates.

For FedEx Express, a 10-pound average minimum package weight for the shipment applies. For FedEx Ground, an average minimum package weight for the shipment applies and varies by contract.

For FedEx Express and FedEx Ground multiple-piece shipments, you may form your FedEx Ship Manager Server transaction in two ways:

- **Single transaction**—in which fields that contain package data occur multiple times within the same transaction, but only once for each individual package. This method, called **Single Shot**, provides a single one-shot transaction that sends complete shipment information to FedEx in a single **020 Global Ship Request** transaction.
The following is an example of a Single Shot transaction for a multiple-piece FedEx Ground shipment. Field 1670 (Package Weight/Shipment Weight) is a multiple occurrence field. Individual packages are numbered sequentially as 1670-2, 1670-3, and so forth.


- Multiple transactions—which create a shipping workflow in which the first transaction creates the shipment and the following transactions add packages and confirm the shipment after all packages are added. This method is called Open Ship because the transactions create an "open" shipment to which you can add multiple pieces over a period of time.

For examples of an Open Ship transaction, see Chapter 4: FedEx Ship Manager Server Open Ship Transactions.

INTERNATIONAL Multiple-Piece Shipments

In an international FedEx Express or FedEx Ground shipment, the weight of each individual piece cannot exceed the specified limits for the destination country, and you cannot ship more than ten (10) commodities on one FedEx international air waybill. Each individual piece (or single handling unit) must have a separate address label with complete Sender and Recipient addresses.

FedEx Express International multiple-piece shipments are billed based on total shipment weight.

Multiple Occurrence Fields

You can use multiple occurrence fields several times within a single transaction. You can specify a different value for each occurrence. Using multiple occurrence fields eliminates the need to code the same field over and over simply because the input values change.

The format for a multiple occurrence field is

\[x-\#\]

where

\(x\) is the field ID number that you are repeating, such as 1670.

- (dash, also known as minus sign) separates the field number from the number of repetitions.

\(#\) is the number of the repetition, such as 1, 2, 3, and so on. The maximum number of repeated fields is 999 unless otherwise noted within a specific transaction format. If you need to use a multiple occurrence field more than 500 times in a transaction, contact your FedEx customer support representative.

Example

For example, field 1670 (Package Weight/Shipment Weight) is a multiple occurrence field. If the first package you add in a multiple-piece shipment weighs 2 pounds, the next two packages you add weigh 3 pounds and 5 pounds, you would code field 1670 as follows:

1670-1,"200"1670-2,"300"1670-3,"500"

This entry allows three different packages to be entered using the same field number followed by an occurrence indicator (1, 2, and 3).

You can eliminate the dash and the occurrence indicator for the first multiple occurrence field in any transaction. For example, you can correctly code the previous example as follows:

1670,"200"1670-2,"300"1670-3,"500"

Note: Field 1670 has two implicit decimals. In the above example, 200 equals 2 pounds.

Using the field 1670 (Package Weight/Shipmnet Weight) example cited previously:

Code the third occurrence as follows:
1670-3,"###"
Code the 25th occurrence of the field as follows:
1670-25,"###"
Code the 999th occurrence of the field as follows:
1670-999,"###"

Note: When coding a multiple occurrence field, do not use any leading zeros in the occurrence indicator.
Examples of incorrect coding include the following:
1670-003,"###"
and
1670-03,"###"

**Single Shot versus Open Ship Shipping**

You can ship single packages at one time or multiple packages in one single master shipment called a *multiple-piece shipment* (MPS). Within the FedEx shipping system, multiple-piece shipments have special considerations and rules. For example, when you ship multiple pieces in the same shipment, all the pieces in that shipment must be addressed to the same recipient.

There are two ways to ship a multiple-piece shipment (MPS):

- **Single Shot**—process all packages in one single FSMS transaction using the same fields repeatedly for each package.
- **Open Ship**—create a single 'open' master shipment and process the packages for that shipment over the course of a shipping period, up to 7 days.

**SINGLE SHOT Shipping Method**

If you ship using the Single Shot method, you must know ahead of time exactly how many pieces will be included in the shipment. The Single Shot method requires that you use *multiple-occurrence fields* to provide data about each package.

For example, if you have five (5) packages to ship, you must assign each package a number and use that number to associate the data fields for that package. For example, to enter the package length for five separate pieces, enter the length for the first package using field 59 (Package Length). For the second piece, use field 59-2; for the third piece you use field 59-3, and so forth until you enter data for the fifth package as 59-5.

The result is a sequence of data fields that occur multiple times in the transaction, one time for each piece you include in the shipment. The transaction code looks like this:


where the value is the length of the piece given in inches.

Other restrictions for Single Shot also apply. For example, FedEx International Priority DirectDistribution (IPD) and FedEx International Priority DirectDistribution Freight (IDF) single shot transactions must be associated with an existing FedEx International Priority DirectDistribution or FedEx International Priority DirectDistribution® Freight open shipment. See the chapters for these services for more information.

**OPEN SHIP Shipping Method**

If you use the Open Ship multiple-piece-shipment (MPS) shipping method, the Open Ship workflow requires that you use several transactions to create, add packages, edit and confirm the shipment. Like Single Shot, all pieces in the shipment must be sent to the same recipient.

The Open Ship shipping method requires two fields—one to identify the Open Ship function to perform and the other to identify the shipment to which the function applies. It is typical to have several Open Ship shipments being actively processed on the same shipping floor. Therefore, it is important to distinguish which "open" shipment you are adding packages to throughout your shipping day.

Chapter 4: FedEx Ship Manager Server Open Ship Transactions describes the Open Ship shipping method in detail.
How to Read FSMS Transaction Coding Tables

This guide contains transaction coding tables that describe the transaction fields required to code transactions. In certain cases, the table will offer you alternative ways to perform the same functions. In most cases, however, the table is a basic description of one or more fields and their properties, as shown in Table 2-4.

Table 2-4 Transaction Coding Table Example

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Field Level: Shipment for FedEx Express international shipments</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FDXE</td>
<td>Field Level: Package FedEx Express - U.S. and FedEx Ground</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FDXG</td>
<td>REQUIRED*.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>US INTL Freight</td>
<td>Total dollar amount declared or carriage value of the shipment. This field supports the 14.2 numeric format and has two implied decimal places.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*Required for all U.S. shipments insured with FedEx. Values must contain only numeric characters (no commas, &quot;,&quot;, or &quot;.&quot;).</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Note: All currency fields for FedEx Express Freight must be in USD. When used to create/print a Bill of Lading (BOL) for FedEx Express Freight, declared value cannot exceed $100,000 USD.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Note: Carriage Value cannot exceed the Customs Value.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Note: If you need to use a 14.2 numeric format, use field 69 instead of field 26.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>See the FedEx Service Guide for allowable limits. Carriage value per package.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>For this shipment, use any method.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Field Level: Shipment</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FDXE</td>
<td>REQUIRED*.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>INTL</td>
<td>Indicates the currency in which the customs value is expressed.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*Required for FedEx Express international shipments only; for FedEx Express U.S. domestic shipments the value defaults to USD and for CA origins to CAD.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Note: The value for this field is applied to field 119 (Total Commodity Customs Value) and field 1030 (Commodity Line Item Unit Value).</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>For this shipment, use any method.</td>
</tr>
</tbody>
</table>

In the above example, field 69 (Declared Value/Carriage Value) is available when coding both FedEx Express and FedEx Ground shipments. This is indicated by FDXE and FDXG in the Service column. Field 68 (Customs Currency Type) is required for FedEx Express international shipments only. Both fields have conditional requirements as indicated by an asterisk after the word REQUIRED*. The "Table Conventions" section below describes standard annotations, acronyms and other conventions used in a transaction coding reference table.
Table Conventions

Field indicators, symbols and acronyms used in the Transaction Coding Reference tables are:

- **Field ID** column—contains the field identifier (ID number) for the field name shown in the row above. If the field ID indicates a hyphen and number sign (-#), this indicates that you may use the field two or more times in the same transaction as a multiple-occurrence field. Replace the # sign with a number to identify a specific package in the sequence of packages you add to the shipment. See the Multiple-Occurrence Field topic in this chapter for more information.

- **Field Length** column—indicates the number of characters in the field. The field length is shown as the maximum (Max) number of characters allowed. For certain fields, the minimum (Min) field length is also shown.

- **Data Type** column—shows the type of data allowed for the field value. Indicators are:
  - A—alphabetic characters only
  - N—numeric characters only
  - A/N—alphanumeric; both alpha and numeric characters allowed
  - AKE—alpha, numeric, and special characters, such as the ampersand (&), allowed

- **Input/Output** column—tells you if a field can be included in an FSMS request transaction or is returned in an FSMS reply transaction:
  - I—input in a request transaction
  - O—output in a reply transaction
  - I/O—field can be input in a request or output in a reply

- **Services** column—lists the FedEx services allowed for use with the field. Acronyms are:
  - FDXE—FedEx Express
  - FDXG—FedEx Ground
  - FHD—FedEx Home Delivery
  - FDXS—FedEx SmartPost
  - All—all services

Note: FedEx Home Delivery (FHD) is the residential delivery service for FedEx Ground services. If only FHD is shown in the Service column, then the field ID is used for FedEx Home Delivery. If FDXG is shown, FHD is inclusive and the field also can be used in shipping transactions to residential addresses.

- **Valid For**—lists the geographical shipping regions and special services, including contract-only service, that apply to the FedEx services listed in the Services column.
  - US—United States
  - CA—Canada
  - MX—Mexico
  - PR—Puerto Rico
  - INTL—International. If INTL, may include these FedEx international services:
    - TD—FedEx Express Transborder Distribution
    - IGD—FedEx International Ground Distribution
    - IGDD—FedEx International Ground Direct Distribution
    - IPD—FedEx International Priority Direct Distribution
    - IPF—FedEx International Priority Freight
    - IDF—FedEx International Priority Direct Distribution Freight
    - IED—FedEx International Economy Direct Distribution
    - IEF—FedEx International Economy Freight
    - All—both U.S. domestic (US) and international (INTL) services, including Canada, Mexico and Puerto Rico

- **Description** column—contains a brief description of the field and includes valid values and conditional requirements. The following indicators are used:
  - REQUIRED indicates a mandatory field for the transaction
  - REQUIRED* indicates a "required if" condition
  - Field Level tells you when a field/value applies to a package or an entire shipment.
Optional indicates that the field is not required in a particular transaction. Please note that certain fields may be either optional or required depending on transaction context.

Field descriptions may also include a list of the transaction methods appropriate with the use of the field. Transaction shipping methods are:

- **Single Shot**—all packages are processed together in one single transaction
- **Single Piece**—one package in a transaction
- **Open Ship**—an open shipment transaction to which multiple pieces can be added throughout a shipping period
- **MPS**—Multiple-Piece Shipment information.

Note: In any column, “--” (double dash) indicates “not applicable”. For example, field 1148 (Middleware Product Name) identifies a middleware vendor’s product. Because no FedEx service is associated with this field, the **Service** column is marked with a double-dash as not being applicable.

**Transaction Coding Reference Guide**

The FedEx Ship Manager Server Transaction Coding Reference (TCR) guide contains reference coding tables which describe the fields for FedEx Ship Manager Server transactions. Use the transaction coding tables in the TCR guide to help you identify which transaction fields you need to use when developing transactions that create, ship, rate and route FedEx shipments.
transactions do more than ship

the concepts up to this point in this chapter primarily describe the shipping transaction 020/120 global ship request/reply. fedex ship manager server transactions are versatile and flexible and do much more than ship.

rates, rate quotes and list rates

you can calculate your rate using the instructions in the fedex services guide and by using the rate tools at fedex.com/us/rates2009. you can get rate quotes and view rates by service or delivery zone. as a fedex account holder, you can log on for an account-specific courtesy rate quote or a customized rate guide.

you can also request both account-specific and courtesy list rates for fedex express, fedex ground and fedex® transborder distribution shipments using the fedex ship manager server 020 global ship request transaction or 025 rate available services request transaction.

as part of its revenue management, fedex ship manager server supports a variety of rating options, such as list rates for fedex express and fedex ground, international courtesy rating, bundling, dim weight calculations and multweight discounts. these are described in each chapter in this guide by service.

routing and time-in-transit

fedex ship manager server returns route and time-in-transit information when you request it using the 020 global ship request transaction. in fsms, the term route is used specifically for fedex express service, and the term time-in-transit for returned information for the fedex ground service.

fedex ship manager server returns the following information:

• fedex express—route to and from any origin and destination pair for any fedex express shipment. a route request also returns the service commitment.

• fedex ground or fedex home delivery—time-in-transit from origin to destination for any fedex ground or fedex home delivery shipment.

you request route or time-in-transit information in two ways:

• use field 1234 (rate/route/time-in-transit flag) in a 020 global ship request

• use field 541 (open ship flags) in an open ship 020 global ship request

for instructions on how to get rates using field 541 in an open ship transaction, see chapter 4: fedex ship manager server open ship transactions in this guide.

note that performing a route request for a fedex express shipment or a time-in-transit for a fedex ground shipment returns all the necessary information needed to add information to a fedex label and create a custom label if a pre-assigned tracking number is included in the request transaction.

package and shipment tracking

the tracking number assigned to your shipment or individual packages is your way to uniquely identify it as it moves through your shipping process and the fedex shipping system.

tracking numbers are assigned separately to your fedex account for fedex express and fedex ground services. you can preassign tracking numbers to packages if you need to send them to customers ahead of shipping their order.
Close Shipment at End-of-Day

When you end your shipping day, you must perform an 007 End-of-Day Close Request transaction to transmit shipping data to FedEx. You can use the 007 End-of-Day Close Request transaction to either start the Close operation for a meter or to query the meter’s Close status, depending on the value you set in field 548 (Close Status Request Flag).

You can perform a separate Close Request for FedEx Ground and FedEx Express shipments. You can also close all meters with one 007 transaction using field 2413 (Close All Meters Flag).

Example 1—End-of-Day Close Request Transaction

The following example shows an 007 End-of-Day Close Request transaction for a FedEx Ground shipment:

0,"007"1,"FedEx7"498,"4147"3025,"FDXG"99,""

Example 2—End-of-Day Close Reply Transaction

The following example transaction shows the corresponding 107 End-of-Day Close Reply:

Submitting Transactions

Batching Transactions in a File

Batch processing is the batch execution of transaction strings in files or programs that, once started, run and complete without human intervention. Batch processing allows a shipper to build FedEx Ship Manager shipment transactions and send them together in a single file or in several batch files to the back-end FedEx shipping server. The back-end server processes the transactions together as a single batch and returns the output to your local FedEx Ship Manager Server client.

If you choose to batch transaction files, you can configure the FedEx Ship Manager Server application to process transactions during scheduled periods. FedEx Ship Manager Server can be set up to automatically check for, and process, new transaction files.

Enabling Batch Processing

Complete the following steps to enable batch processing.

To enable batch processing
1. Edit the client.ini file located in FedEx\FedEx_Cfg directory.
2. In the TRANSFILE section, edit the Path=<entry> to include the name of the directory where you want to store transactions.
   For example, if the directory is C:\batch\, code the complete Path=<entry> as follows:
   Path=C:\batch\ 
   The actual name of the transaction file is not needed, only the name of directory where you want to store transactions. The transaction file can have any file name, but must end with the .in extension, as follows:
   Trans.in
   The input batch file can be stored on the FedEx Ship Manager Server client or on any system you designate.
3. Save and exit the client.ini file.
4. Edit the server.ini file located in the FedEx\FedEx_Cfg directory.
5. In the DNLD section, change the value of the interval entry to 10000 (this value represents the number of milliseconds the given directory is checked for files with a .in extension). The complete interval entry must be coded as follows:
   interval=10000
6. Save and exit the server.ini file.

Restarting FedEx Admin Service

After you enable batch processing, be sure to restart the FedEx Admin Service.

To restart the FedEx Admin Service
1. Right-click the My Computer icon and click Manage. The Computer Management screen displays.
2. Click Services and Applications.
3. Click Services. All Services display in the right panel of the window.
4. Click the FedEx Admin service. The line highlights.
5. Do one of the following:
   a. If the service is running, click Restart the service.
   b. If the service is not running, click Start the service.
Disabling Batch Processing

Follow these steps to disable batch processing on your FedEx Ship Manager Server system.

To disable batch processing

1. Edit the `server.ini` file.
2. Edit the interval entry in the DNLD section back to 0000. The complete interval entry must be coded as:
   ```
   interval=0000
   ```
3. Save and exit the `server.ini` file.
4. Restart the FedEx Admin Service as described in the preceding section.

Monitoring Input Batch Files

After you complete the preceding steps, the FedEx Admin Service monitors the directory you designated in the `client.ini` file every ten seconds for any input transaction files.

When FedEx Ship Manager Server detects an input batch file, it processes the file and creates an output file and a copy of the original in the same directory.

The following example shows the input file, the output file, and a copy of the original:

<table>
<thead>
<tr>
<th>File</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>batch1.in</td>
<td>Input file processed by FedEx Ship Manager Server, resulting in the output file <code>batch1.out</code></td>
</tr>
<tr>
<td>batch1.out</td>
<td>Output file generated by FedEx Ship Manager Server from <code>batch1.in</code></td>
</tr>
<tr>
<td>batch1.old</td>
<td>FedEx Ship Manager Server copies the original input file (<code>batch1.in</code>) to this file</td>
</tr>
</tbody>
</table>

Note: Make sure that input files do not contain an extra line or space at the end of the transactions. This causes processing errors. The last field at the end of the input file must be:

```
99,"
```
Error Messages and Troubleshooting

If FedEx Ship Manager Server (FSMS) returns an error condition in a transaction, you may look up the error code in the Error Code section of the FedEx Ship Manager Server Transaction Coding Reference.

FSMS Log File

To help you troubleshoot an error, FedEx Ship Manager Server creates a log file of all transactions processed, and logs the date and time of each transaction.

Non-critical transaction events are logged to an Application Event log file named FXRS_LogFile.log located in C:\FedEx\FedEx_EventLogs. The maximum size of the log file is 1MB. If the log file exceeds 1MB, FSMS renames the file to <current_date_time>.log and creates a new FXRS_LogFile.log file for logging messages.

Note: The FSMS log file is separate from the Application Log of the Event Viewer. The Event Viewer Utility provides information in the Application Log, Security Log and System Log.

You can determine how long log files are stored on your local FSMS client by selecting a retention period in the FSMS Configuration Utility. Log files older than a configured retention period are automatically deleted. The retention period of a log file can be set from a minimum of seven (7) days to a maximum of thirty (30) days.

Note: If you do not set a retention period, FSMS deletes any FSMS transaction log file that is older than three (3) days. Only log files created by the same FSMS version are deleted.

To enable the FSMS log file

1. Open the FSMS Configuration Utility.
2. Click the System Settings tab.
3. Check the Transaction Log box to enable logging of transactions.
4. Use the drop-down box to select how many days (1, 2, or 3) the log file will record transaction data.
5. Click Apply to apply your changes or click Apply & Exit to apply your changes and close the utility window.

To set retention period for Application Event log file

1. Open the FSMS Configuration Utility.
2. Click the Advanced Settings tab.
3. In FSMS Logging Retention Period, select the number of days you want the log file to run.
4. Click Apply to apply your changes or click Apply & Exit to apply your changes and close the utility window.

For additional assistance, please contact FedEx Support at 1.800.GoFedEx 1.800.463.3339 or see your FedEx account executive.
Next Steps

FedEx Ship Manager Server allows you to develop transactions for almost every shipping need your integration requires. The information in this chapter gets you started by explaining what an FSMS transaction is and how FSMS fields are used to define the shipping requests your application submits to FedEx.

Now that you are familiar with FSMS transaction basics, you can begin building transactions for your application.

The following chapters in this guide describe the service rules and transaction syntax that must be adhered to in order to develop integrated applications for FedEx shipping operations. The information is presented for each of the FedEx services supported by FedEx Ship Manager Server.

To begin building your application, go to the chapter in this guide related to the specific FedEx service(s) that your company will be using to ship. If the service you plan to use supports the Open Ship shipping method, be sure to read Chapter 4: FedEx Ship Manager Server Open Ship Transactions.

<table>
<thead>
<tr>
<th>To learn about FedEx shipping for...</th>
<th>Read...</th>
</tr>
</thead>
<tbody>
<tr>
<td>FedEx Express U.S. services</td>
<td>Chapter 5: Coding Transactions for FedEx Express U.S. Service</td>
</tr>
<tr>
<td>FedEx Ground U.S. services</td>
<td>Chapter 6: Coding Transactions for FedEx Ground U.S. Services</td>
</tr>
<tr>
<td>FedEx SmartPost</td>
<td>Chapter 7: Coding Transactions for FedEx Smart-Post</td>
</tr>
<tr>
<td>FedEx Express International services</td>
<td>Chapter 9: Coding Transactions for FedEx Express International Services</td>
</tr>
<tr>
<td>FedEx International Ground services</td>
<td>Chapter 10: Coding Transactions for FedEx International Ground Services</td>
</tr>
<tr>
<td>FedEx Transborder Distribution</td>
<td>Chapter 11: Coding Transactions for Transborder Distribution</td>
</tr>
<tr>
<td>FedEx International Priority DirectDistribution</td>
<td>Chapter 12: Coding Transactions for FedEx International Priority DirectDistribution</td>
</tr>
</tbody>
</table>

To learn about FedEx labels, continue to Chapter 3: FedEx Ship Manager Server Label and Form Transactions.
CHAPTER 3: FEDEX SHIP MANAGER
SERVER LABEL AND FORM
TRANSACTIONS

Every package tendered to FedEx® must have an attached label. Labels move with the shipped unit and must be human and machine-readable. For this reason, FedEx provides standard labels and requires a strict adherence to label specifications for all custom-designed labels. Many of the FedEx shipping operations use automated devices and require that labels be correct and exact to all FedEx label requirements. This ensures efficient handling and routing of your shipments and prevents delays. This chapter provides a basic introduction to FedEx labels as they relate to FedEx Ship Manager® Server.

It includes these topics:

• About FedEx Labels
• Label Types and Formats
• Labels and Doc Tabs
• How to Print Reference Information on Labels
• How to Customize Labels
• FedEx Ground Hazardous Materials OP900 Form and Report
• FedEx Express Dangerous Goods Form 1421C
• Label Transaction Samples
• FedEx Label Samples
About FedEx Labels

FedEx Ship Manager Server supports the configuration and printing of labels for shipping packages as part of a shipment.

FedEx allows two types of labels to be used:

- FedEx standard label—service-specific labels provided by FedEx
- Custom labels—customer-designed labels that must be approved by FedEx prior to use

**FEDEX STANDARD Labels**

FedEx labels are designed to detailed specifications and should not be altered. Standard labels are readable by FedEx automation devices and ensure the efficient processing of your shipments to their final destination.

If you need to print business or shipping-related information on a label, FedEx allows you to customize certain sections of a standard label. You may customize reference information on a standard label. You may also set up the documentation area of a label to print information specific to your shipping needs.

**CUSTOM Labels**

Creating a custom label requires an in-depth knowledge of FedEx label specifications. After you design a label, you must submit your labels to FedEx for detailed review and testing as part of a standard approval process before you are authorized to use them on your shipments.

If you wish to create custom labels, please contact your FedEx account executive.

For information about Open Ship labels, see Chapter 4: FedEx Ship Manager Server Open Ship Transactions.
Label Types and Formats

FedEx Ship Manager Server (FSMS) supports the following label types:

Table 3-1 FSM Server Label Types

<table>
<thead>
<tr>
<th>Label Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermal</td>
<td>Print shipping labels for all shipping types (FedEx Express®, FedEx Ground®, and international) using a variety of thermal label printers. The following thermal label sizes are supported by FedEx Ship Manager Server: 4” x 6”, 4” x 8”, 4” x 9” Thermal labels are available with document tabs (doc tabs) that can be configured with shipment details.</td>
</tr>
<tr>
<td>Laser</td>
<td>FedEx Ship Manager Server generates a laser printable label. Labels printed with a laser printer are generated by FSMS in PDF format and do not need to be scaled or resized. Laser labels are available for both FedEx Express and FedEx Ground shipping and may be written to a label buffer.</td>
</tr>
<tr>
<td>Custom</td>
<td>Customize the shipping label with your own graphic or create a custom label by using the FSMS Custom Label Generator Utility. See “Customizing a Thermal Label” in this chapter. A custom label must meet FedEx label specifications.</td>
</tr>
<tr>
<td>Multi-Ply Air Waybills</td>
<td>Print preprinted multi-ply labels for FedEx Express International shipping. This feature is supported by FedEx Ship Manager Server since some countries do not allow a thermal or laser air waybill package to be processed through their customs clearance.</td>
</tr>
</tbody>
</table>

Thermal Labels

FedEx Ship Manager Server provides a graphic file of the FedEx Express and FedEx Ground thermal shipping label that you can position on your shipping documentation instead of creating a custom label.

For example, if you generate a packing list, you may use the top portion of the form for packing information and position both a 4” x 6” shipping label and a 4” x 6” return label on the bottom portion of the form by requesting a thermal label graphic.

The thermal label graphic can be generated for the 4” x 6”, 4” x 8”, and 4” x 9” thermal label formats and can be received as either a PNG (Portal Network Graphics) or a PDF (Portable Document Format) file type. Depending on whether you choose the PNG or PDF format, sizing requirements may apply.

There are two ways to configure printers for printing thermal labels.

- Configure settings on the Label Settings tab of the FSMS Configuration Utility. The printer you select becomes the default printer for printing thermal labels.
- Specify the printer ID and type in shipping transactions. This overrides the default printer setting. See “Specifying Thermal Printers in Transactions” in this guide.

See the FedEx Ship Manager Server Installation and Configuration Guide for information about FedEx-supported thermal printers and how to set up a default thermal printer using the FSMS Configuration Utility.
Laser Labels

You can print FedEx labels on a laser printer. FedEx Ship Manager Server generates a laser printable label in PDF format which does not need to be scaled or resized. Laser labels are available for both FedEx Express and FedEx Ground shipping and may be written to a label buffer.

There are two ways to configure laser printers for your FedEx Ship Manager Server meter:

- Configure settings on the Label Settings tab of the FSMS Configuration Utility. The printer you select becomes the default printer for printing laser labels.
- Specify the printer ID and type in shipping transactions. This overrides the default printer setting. See “Specifying Laser Printers in Transactions” in this chapter.

See the FedEx Ship Manager Server Installation and Configuration Guide for information about FedEx-supported laser printers and how to set up a default laser printer using the FSMS Configuration Utility.

Multi-Ply Air Waybills

FedEx Ship Manager Server supports printing preprinted multi-ply labels for FedEx Express International shipping. This feature is supported by FedEx Ship Manager Server because some countries do not allow a thermal or laser air waybill to be processed through Customs Clearance. The multi-ply air waybill is available in three types:

- Form 306—FedEx International Air Waybill with preprinted tracking numbers
- Form 307—FedEx International Air Waybill without preprinted tracking numbers
- Form 362—French language FedEx International Air Waybill without tracking numbers

Label Formats

FedEx Ship Manager Server provides these graphic file formats for printing labels or creating images that you can position on your shipping documentation:

- PNG—thermal and laser labels
- PDF—thermal and laser labels
- DIB—laser labels

PNG Labels

FedEx Ship Manager Server provides PNG (Portable Network Graphics) for FedEx Express and FedEx Ground labels by passing a value of PNG in field 187 (Label Format Value). This image is saved to the C:/FedEx/FedEx_Temp directory by default. If you store labels in C:\FedEx\FedEx_Temp or your desired path, you may want to perform clean-up in the path. To override this setting, use field 537 (Thermal Label Printer ID). Set field 187 (Label Format Value) to the appropriate size.

- PNG—Portable Network Graphics
- 46L—4” x 6” PNG
- 48L—4” x 8” PNG
- 49L—4” x 9” PNG

This format replaces the previously supported GIF format. See Table 3-2 and Table 3-3 for information about fields to use in a transaction.
Scaling PNG label images

When you view the PNG (Portal Network Graphics) label image on your screen, the barcode dots per inch (dpi) is reduced to your screen resolution, far less than required. To correct the dpi, you must use FedEx software label extensions or you must scale (or resize) the image before printing. Scaling instructions vary by screen resolution and dimensions (inches or pixels).

To scale the PNG image for a 4” x 6” label in inches
Set to 4” width and 6” length exactly.

To scale the PNG image for a 4” x 6” label in pixels
If your screen resolution is 96 dpi, set the image size to:
- Width = 384 pixels (96 ÷ 200 x 800 = 384)
- Height = 576 pixels (95 ÷ 200 x 1200 = 576)
If your screen resolution is 72 dpi, set to:
- Width = 288 pixels (72 ÷ 200 x 800 = 288)
- Height = 432 pixels (72 ÷ 200 x 1200 = 432)
If your screen resolution is not 96 or 72 dpi, set to:
- Width = Your screen dpi ÷ 200 x 800
- Height = Your screen dpi ÷ 200 x 1200

PDF Labels

FedEx Ship Manager Server provides Portable Document Format (PDF) label images for FedEx Express and FedEx Ground labels when you specify a value of PDF in field 187 (Label Format Value). This produces an image of a laser label. Images of thermal labels may be captured by setting field 187 to the appropriate thermal label size desired:

- PDF—Portable Document Format
- 46P—4” x 6” PDF
- 48P—4” x 8” PDF
- 49P—4” x 9” PDF

These images are saved in the C:/FedEx/FedEx.Temp directory (as the default location). To change this location, you can override with another valid directory path in field 537 (Thermal Label Printer ID). With PDF labels, there is no need to resize (scale) the label to fit the paper or label stock. See Table 3-2 and Table 3-3 for information about fields to use in a transaction.

DIB Labels

Device Independent Bitmap (DIB) labels can be produced using the Windows Print Manager. Field 187 (Label Format Value/Printer Type Indicator) must be set to DIB. This is a laser label. In addition to the plain paper label that is produced, you can use field 187 to indicate other label image sizes:

- DIB—Device Independent Bitmap
- 46D—4” x 6” DIB
- 48D—4” x 8” DIB
- 49D—4” x 9” DIB

You must include field 537 (Label Printer ID) in a transaction and set the value to the UNC (Uniform Naming Convention) printer name. See Table 3-3 for more details.

DIB labels are available for FedEx Express and FedEx Ground shipments and may be stored in a label buffer file.
Configuring Printers for Labels, Forms and Reports

The **Label Settings** window in the FSMS Configuration Utility is used to configure printers for printing laser and thermal shipping labels as well as for multi-ply air waybills.

The **Report Settings** window in the same utility is used to configure FedEx Express dangerous goods (DG) forms and FedEx Ground hazardous materials forms.

Note: When printing the FedEx Ground Hazardous Materials form OP-900, use the Windows Generic/Text only printer driver and not the Lexmark printer driver. This allows you to use the custom form OP-900 defined in the Windows Print Server.

See the *FedEx Ship Manager Server Installation and Configuration Guide* for information about how to configure printers for printing FedEx shipping labels.

Specifying Thermal Printers in Transactions

To specify a thermal printer in a transaction, include the fields in Table 3-2 in the 020 Global Ship Request or 095 Label Reprint Request transaction.

**Table 3-2** Fields for Identifying Thermal Printers

<table>
<thead>
<tr>
<th>Fields for Thermal Printers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transaction: 020 Global Ship Request</td>
</tr>
</tbody>
</table>

### Label Format Value/Printer Type Indicator

<table>
<thead>
<tr>
<th>Field</th>
<th>Length</th>
<th>Data Type</th>
<th>Input Output</th>
<th>FedEx Shipping Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>187</td>
<td>Max=3</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>REQUIRED*</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FDXG</td>
<td></td>
</tr>
</tbody>
</table>

Enter the value that corresponds to the label format to print or label buffer to save. Each label format / printer type combination has a specific code.

*Required if field 1282 specifies value T (Thermal label), F (Thermal label buffer to multiple files) or S (Thermal label buffer to single file).

The label buffer string is returned in field 188 (Label Buffer String). Specify one of the following valid values:

- 399—Eltron/Zebra EPL 4" x 8"
- 499—Eltron/Zebra EPL 4" x 9"
- 388—Zebra 4" x 8"
- 488—Zebra 4" x 9"

### Thermal Printer Identifier/Label Buffer File Path

<table>
<thead>
<tr>
<th>Field</th>
<th>Length</th>
<th>Data Type</th>
<th>Input Output</th>
<th>FedEx Shipping Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>537</td>
<td>Max=255</td>
<td>N</td>
<td>I</td>
<td>FDXG</td>
<td>REQUIRED*</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FDXE</td>
<td></td>
</tr>
</tbody>
</table>

Thermal printer identifier or path to label buffer file. Share name for a network printer may be used.

*Required for network printing of a thermal or laser label using the UNC format or saving the thermal label buffer, PNG image or 2D bar code data to a file other than the default.

Default thermal and laser printers are configured in the FSMS Configuration Utility.

Default label buffer, PNG or PDF image, and 2D bar code file path: C:\FedEx\FedEx_Temp. If you store labels in C:\FedEx\FedEx_Temp or your desired path, you may want to perform cleanup in the path.

Use field 187 (Label Format Value/Printer Type Indicator) to identify the type of label format/printer type.
Specifying Laser Printers in Transactions

To specify a laser printer in a transaction, include the fields in Table 3-3 in the 020 Global Ship Request or 095 Label Reprint Request transaction.

Table 3-3 Fields for Identifying Laser Printers

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input Output</th>
<th>FedEx Shipping Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
</table>
| 187      | Max=3        | A         | I            | All                     |           | REQUIRED*. Enter the value that corresponds to the label format to print or label buffer to save. Each label format / printer type combination has a specific code. *Required for printing labels to an FSMS-supported laser printer using the Uniform Naming Convention (UNC) format or for indicating the label buffer type to be saved to a file. The label buffer string is returned in field 188 (Label Buffer String). Specify one of the following valid values:
DIB—Laser Labels
46D—4” x 6” DIB
48D—4” x 8” DIB
49D—4” x 9” DIB
PDF—Portable Document Format
46P—4” x 6” PDF
48P—4” x 8” PDF
49P—4” x 9” PDF
PNG—Portable Network Graphics
46L—4” x 6” PNG
48L—4” x 8” PNG
49L—4” x 9” PNG
CLS—Laser Labels |
| 537      | Max=255      | A         | I            | FDXE                    |           | REQUIRED*. Printer identifier or path to label buffer file. Share name for a network printer may be used. *Required for network printing of a thermal or laser label using the UNC format or saving the thermal label buffer, PNG image or 2D bar code data to a file other than the default. Default thermal and laser printers are configured in the FSMS Configuration Utility. Default label buffer, PNG or PDF image, and 2D bar code file path: C:\FedEx\FedEx_Temp. Use field 187 (Label Format Value/Printer Type Indicator) to identify the type of label format / printer type. |

Note: Most laser printers support the FedEx laser label types. If you have questions about laser printers, contact FedEx support at fedex.com/us/customersupport/ or 1.800.GoFedEx 1.800.463.3339.
Print Label Options
You can print labels directly on a printer, print the label to a file or defer printing of the label to a later time. The topics in this section describe print options:

- Print a thermal label to a file
- Print an air waybill label to printer or file
- Save labels to a table for deferred printing
- Reprint labels for a multiple-piece shipment

Printing Thermal Labels to File
FedEx Ship Manager Server provides a feature called “Print-to-File”. The Print-to-File feature applies to thermal air waybills (TAWB) only and allows you to return a label to a specified file instead of in a Reply transaction. This feature allows you to control label printing and eliminates the need for printing labels on a network.

You can return a label to a file when you ship using these FedEx services:

- FedEx Express
- FedEx Ground
- FedEx International multiple-package shipments (MPS)

Thermal label buffers are saved to the FedEx Ship Manager Server database prior to printing to allow for label reprinting up to 48 hours after shipment processing. This impacts the speed at which thermal labels are printed. To increase the label print speed, use a value of F or S in field 1282 (Printer Type Indicator) and indicate the printer path in field 537 (Thermal Printer Identifier/Label Buffer File Path). This causes the label buffer to be sent directly to the printer and not saved to the FedEx Ship Manager Server database.

Note: Labels produced this way are not available for reprinting.

You must use field 537 (Thermal Label Printer ID) to designate the directory where you want the label stored. The file name for the label is the master air waybill tracking number. All labels associated with a master air waybill are written to the same file name. For example, if you have a master shipment with twenty (20) associated packages, all labels for this multiple-piece shipment are written to the same file.

Table 3-5 describes the fields required to print a thermal airway bill label to a file using the 020 Global Ship Request transaction.

Printing an Air Waybill Label
Use the Air Waybill Label Indicator (field 3130) to print or reprint the Thermal Air Waybill (AWB) Label.

Shippers are able to reprint one copy (per request) of the Thermal AWB or DIB Plain Paper label designated as a copy for the shipper.

This feature provides the following features:

- Ability to reprint a duplicate of the Thermal AWB ONLY and not reprint the Thermal ASTRA copy.
- On the reprinted Thermal AWB ONLY or on a DIB Plain Paper Label (Laser Label Reprint Equivalent on FSMS), the Shipper AWB copy is identified by printing "SHIPPER AWB COPY" on the label.
The Thermal Air Waybill is available for all FedEx Express International shipments:

- **International Priority**
  - FedEx International Priority®
  - FedEx International Priority® Freight
  - FedEx International Priority DirectDistribution®
  - FedEx International Priority DirectDistribution® Freight

- **International Economy**
  - FedEx International Economy®
  - FedEx International Economy® Freight
  - FedEx International Economy DirectDistribution™ Service

This table describes the field 3130 (Air Waybill Label Indicator).

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input</th>
<th>Output</th>
<th>FedEx Shipping</th>
<th>Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3130</td>
<td>Min=1, Max=1</td>
<td>N</td>
<td>I</td>
<td>FDXE</td>
<td>INTL</td>
<td>IPD</td>
<td>IED</td>
<td>IDF</td>
</tr>
</tbody>
</table>

**Field Level:** Package

**REQUIRED.**

Indicates shipper requirement for printing or reprinting an international air waybill label.

Valid values are:

1—Shipper AWB Copy
2—Print all three (3) labels

**Printing Thermal Air Waybill Labels to File**

When using the multi-ply air waybill, you can set up the printer in the FSMS Configuration Utility, or you can specify the printer within the transaction. If the printer is set up in the FSMS Configuration Utility, this printer becomes the default for all multi-ply air waybills produced on the configured meter.

Table 3-5 lists the fields needed to print thermal air waybill labels to a file.
### Fields for Printing Thermal Air Waybill Labels to File

**Table 3-5 Fields for Printing Thermal Air Waybill Labels to File**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Printer Type Indicator</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1282</td>
<td>Max=1</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>All</td>
<td>REQUIRED*. Indicates the printer</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FDXG</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*Required to save a thermal label buffer to a file.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Valid values:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>N—No label</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>T—Thermal label</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>B—2D bar code request for producing custom labels. If the field value is set to B:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Field 537 (Thermal Printer Identifier/Label Buffer File Path) should be used if using a directory other than the default directory: C:\FedEx\FedEx_Temp.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Field 1660 (Custom Label Flag) must be set to Y.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>F—Thermal Label Buffer—multiple files: each label buffer is saved to an individual file.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• The package’s tracking number will be used as the file name. Note that FedEx Ground C.O.D. label file names begin with CR.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• For FedEx international MPS shipments, the master air waybill (MAWB) buffer will be saved to the same file as the buffer for the first package.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• For Open Ship shipments, place this field and its value in the CONFIRM transaction.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>S—Thermal Label Buffer—single files: all label buffers are saved to a single file.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• For FedEx international MPS shipments only. Does not include IPD/IDF* or TD*—use F for these shipment types.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• MPS buffers separated by a carriage return.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• For FedEx international MPS shipments, the master air waybill (MAWB) number is the file name.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• For Open Ship shipments, place this field and its value in the CONFIRM transaction.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Note: Thermal label buffers are saved to the FedEx Ship Manager Server (FSMS) database prior to printing to allow for label reprinting up to 48 hours after shipment processing. This impacts the speed at which thermal labels are printed. To increase the label print speed, use a value of F or S in field 1282 and indicate the printer path in field 537. Doing this will cause the label buffer to be sent directly to the printer and not saved to the FSMS database. Labels produced this way will not be available for reprinting.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*IPD/IDF is the acronym for FedEx International Priority DirectDistribution/FedEx International DirectDistribution Freight.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*TD is the acronym for FedEx Transborder Distribution.</td>
</tr>
</tbody>
</table>
### Required Fields to Print Thermal Air Waybill Labels to File

**Transaction: 020 Global Ship Request**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>All</td>
<td>REQUIRED*</td>
</tr>
</tbody>
</table>

Enter the value that corresponds to the label format to print or label buffer to save. Each label format / printer type combination has a specific code.

*Required if field 1282 specifies value T (Thermal label), F (Thermal label buffer to multiple files) or S (Thermal label buffer to single file).

The label buffer string is returned in field 188 (Label Buffer String). Specify one of the following valid values:

- 399—Eltron/Zebra EPL 4” x 8”
- 499—Eltron/Zebra EPL 4” x 9”
- 388—Zebra 4” x 8”
- 488—Zebra 4” x 9”

### Number of Label Copies—Shipper

| 1311     | Max=1       | N | I | FDXE | INTL | Optional. |

Number of additional copies of the shipper label to print. The copies print in addition to the normal number of labels.

Use field 1311 to override the International Shipper Label Copies field on the Label Settings tab of the FSMS Configuration Utility.

Valid values are:

- 0—One copy (default)
- 1—One copy
- 2—Two copies
- 3—Three copies

Note: Field 1311 set to 0 (zero) no longer suppresses printing of a label. If you set this field to 0, one label prints.

### Number of Label Copies—Customs

| 1312     | Max=1       | N | I | FDXE | INTL | Optional. |

Number of additional copies of the Customs label to print. The copies print in addition to the normal number of labels.

Use field 1312 to override the International Customs Label Copies field on the Label Settings tab of the FSMS Configuration Utility.

Valid values are:

- 0—One copy (default)
- 1—One copy
- 2—Two copies
- 3—Three copies

Note: Field 1312 set to 0 (zero) no longer suppresses printing of a label. If you set this field to 0, one label prints.
### Number of Label Copies—Manifest

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1313</td>
<td>Max=1</td>
<td>N</td>
<td>I</td>
<td>FDXE FDXG</td>
<td>Optional. Number of additional copies of the Manifest label to print. The copies print in addition to the normal number of labels. Use field 1313 to override the International Manifest Label Copies field on the Label Settings tab of the FSMS Configuration Utility. Valid values are: 0—One copy (default) 1—One copy 2—Two copies 3—Three copies Note: Field 1313 set to 0 (zero) no longer suppresses printing of a label. If you set this field to 0, one label prints.</td>
</tr>
</tbody>
</table>

### Thermal Printer Identifier/Label Buffer File Path

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>537</td>
<td>Max=255</td>
<td>A</td>
<td>I</td>
<td>FDXE FDXG</td>
<td>REQUIRED*. Thermal printer identifier or path to label buffer file. Share name for a network printer may be used. *Required for network printing of a thermal or laser label using the UNC format or saving the thermal label buffer, PNG image, or 2D bar code data to a file other than the default. Default thermal and laser printers are configured in the FSMS Configuration Utility. Default label buffer, PNG or PDF image, and 2D bar code file path: C:\FedEx\FedEx_Temp. Use field 187 (Label Format Value/Printer Type Indicator) to identify the type of label format/printer type.</td>
</tr>
</tbody>
</table>
Deferring Print Label

You can save shipping labels to a label table from which you can print the label later.

The following table describes the fields you must include in a 095 Reprint Label Request transaction if you want to defer printing labels.

**Table 3-6 Fields Required to Defer Label Printing**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Deferred Label Flag</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| 2406 | Max=1 | A | I/O | FDXE FDXG | All | **REQUIRED**.*  
If set to Y, stores the label data received in the 095 transaction in a label table.  
*Must be set to Y to defer printing the label.  
Valid values:  
Y—Defer printing of label  
N—Do not defer printing of label (default) |
| **Label Format Value/Printer Type Indicator** | | | | | | |
| 187 | Max=3 | A | I | FDXE FDXG | All | **REQUIRED**.*  
Indicates the label buffer type to save.  
*Required if field 1282 specifies value T (Thermal label), F (Thermal label buffer to multiple files) or S (Thermal label buffer to single file).  
Must be set to the following value:  
CLS—Deferred Label |

If you include field 537 (Thermal Printer Identifier/Label Buffer File Path) with field 187 (Label Format Value/Printer Type Indicator) set to **CLS**, the printer path is ignored.
Reprinting Labels for Multiple-Piece Shipments

You can reprint labels for multiple-piece shipments (MPS) in two ways:

- Send a request using the 095 Label Reprint Request transaction. See Chapter 2: About FedEx Ship Manager Server Transactions for information.

**Services Allowing Label Reprint**

Label reprint for multiple-piece shipments is available for:

- FedEx Express International
- FedEx Ground

**Rules for Reprinting Multiple-Piece Shipment Labels**

- You can reprint labels up to a maximum of 48 hours after the ship date with the restriction that the calendar day for the reprint cannot be greater than the day after the ship date. For example, if you ship a 2-package FedEx Express International package on 12/15/05 at 16:30 (4:30 PM), you have until 22:59 (10:59 PM) of the entire next day (12/16/05) to reprint the label.
- The package for which you are requesting a Label Reprint must be part of an MPS shipment—either FedEx Express International or FedEx Ground.
- For the Future Day option, you can reprint shipment labels using the same reprint time frame: that is, you may reprint a Future Day shipment label until the ship date. Then, if you need additional time, you have up to a maximum of 48 hours from the ship date/time (up to the next calendar day from the ship date) to reprint the label.
### Required Fields for Reprinting a Label for a Multiple-Piece Shipment

**Transaction: 095 Label Reprint Request**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
</table>
| 29       | Min=12, Max=25 | A         | I/O          | FDXE=INTL, FDXG=US     |           | Required*.  
           |              |           |                           | FedEx tracking number that is assigned to the package.  
           |              |           |                           | *Required for reprint of thermal or laser MPS labels.  
           |              |           |                           | You may use field 29 as a multiple occurrence field. This allows all  
           |              |           |                           | child tracking numbers to be returned in the Reply transaction.  
           |              |           |                           | Returned if a tracking by number results in a duplicate.  |

**Thermal Printer Identifier/Label Buffer File Path**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
</table>
| 537      | Max=255      | A         | I            | FDXE=INTL, FDXG=US     |           | Required*.  
           |              |           |                           | Thermal printer identifier or path to label buffer file. Share name  
           |              |           |                           | for a network printer may be used.  
           |              |           |                           | *Required for network printing of a thermal or laser label using the  
           |              |           |                           | UNC format or saving the thermal label buffer, PNG image, or 2D  
           |              |           |                           | bar code data to a file other than the default.  
           |              |           |                           | Default thermal and laser printers are configured in the FSMS  
           |              |           |                           | Configuration Utility.  
           |              |           |                           | Default label buffer, PNG or PDF image, and 2D bar code file  
           |              |           |                           | path: C:\FedEx\FedEx_Temp.  
           |              |           |                           | Use field 187 (Label Format Value/Printer Type Indicator) to iden-  
           |              |           |                           | tify the type of label format/printer type.  |

**Laser Printer ID**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
</table>
| 544      | Max=255      | A         | I            | FDXE=INTL, FDXG=US     |           | Required*.  
           |              |           |                           | Laser printer ID in UNC format used for printing the Laser Air  
           |              |           |                           | Waybills.  
           |              |           |                           | *Required for reprint of laser MPS labels.  |

For more information about the 095 Label Reprint Request transaction, see the FedEx Ship Manager Server Transaction Coding Reference guide.
**Labels and Doc Tabs**

The term *doc tab* refers to a peel-off strip at the top or bottom of a FedEx thermal label on which you can print user-defined shipping information. You can remove the doc tab section of a label and keep it with your back-office shipping records.

The following labels include doc tab areas:

- 6” thermal label
- 9” thermal label

**Creating a Custom Doc Tab Label**

Use the doc tab area of a FedEx thermal label to print information you want to retain with your shipping records. To create doc tabs for FedEx Express and FedEx Ground labels use the *020 Global Ship Request* transaction. The following table lists the fields you may include in a transaction to specify the text you want printed in the doc tab area of a label.

**Doc Tab Fields**

The following table lists the fields to include in the transaction.

*Table 3-8 Doc Tab Fields*

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input</th>
<th>Output</th>
<th>FedEx Shipping Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Label Format Value/Printer Type Indicator</td>
<td></td>
<td></td>
</tr>
<tr>
<td>187</td>
<td>Max=3</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>FDXG</td>
<td>All</td>
<td>REQUIRED*. Enter the value that corresponds to the label format to print. Each label format / printer type combination has a specific code. <em>Required for printing labels to an FSMS supported thermal printer or a laser printer. To print a doc tab label, specify one of the following values: 199—Eltron LP2348/LP2443 4” x 6” doc tab 188—Zebra</em> DA402 4” x 6” doc tab DIB—Laser Labels 46D—4” x 6” DIB PDF—Portable Document Format 46P—4” x 6” PDF PNG—Portable Network Graphics 46L—4” x 6” PNG CLS—Deferred Label</td>
</tr>
<tr>
<td>581</td>
<td>Max=75</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>FDXG</td>
<td>All</td>
<td><strong>Field-level:</strong> Shipment Optional. Text for custom doc tab field 1. Text on label truncates to 12 characters.</td>
</tr>
<tr>
<td>582</td>
<td>Max=75</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>FDXG</td>
<td>All</td>
<td><strong>Field-level:</strong> Shipment Optional. Text for custom doc tab field 2. Text on label truncates to 12 characters.</td>
</tr>
<tr>
<td>Custom Doc Tab Field 3</td>
<td>583</td>
<td>Max=75</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>FDXG</td>
<td>All</td>
</tr>
<tr>
<td>-----------------------</td>
<td>-----</td>
<td>--------</td>
<td>---</td>
<td>---</td>
<td>------</td>
<td>------</td>
<td>-----</td>
</tr>
<tr>
<td>Custom Doc Tab Field 4</td>
<td>584</td>
<td>Max=75</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>FDXG</td>
<td>All</td>
</tr>
<tr>
<td>Custom Doc Tab Field 5</td>
<td>585</td>
<td>Max=75</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>FDXG</td>
<td>All</td>
</tr>
<tr>
<td>Custom Doc Tab Field 6</td>
<td>586</td>
<td>Max=75</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>FDXG</td>
<td>All</td>
</tr>
<tr>
<td>Custom Doc Tab Field 7</td>
<td>587</td>
<td>Max=75</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>FDXG</td>
<td>All</td>
</tr>
<tr>
<td>Custom Doc Tab Field 8</td>
<td>588</td>
<td>Max=75</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>FDXG</td>
<td>All</td>
</tr>
<tr>
<td>Custom Doc Tab Field 9</td>
<td>589</td>
<td>Max=75</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>FDXG</td>
<td>All</td>
</tr>
<tr>
<td>Custom Doc Tab Field 10</td>
<td>590</td>
<td>Max=75</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>FDXG</td>
<td>All</td>
</tr>
<tr>
<td>Custom Doc Tab Field 11</td>
<td>591</td>
<td>Max=75</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>FDXG</td>
<td>All</td>
</tr>
</tbody>
</table>
## How to Configure Doc Tabs

You can configure doc tabs in two ways:

- Use the **Doc Tab Settings** tab of the FSMS Configuration Utility.
  - The FSMS Configuration Utility includes doc tab options to print on the Leading Edge or Trailing Edge of the label.
- Use the **070 Meter Query or Configuration Request** transaction. See the *FedEx Ship Manager Server Transaction Coding Reference* guide for more information about this transaction.

For more information, see *FedEx Ship Manager Server Installation and Configuration Guide*.

### Custom Doc Tab Field 12

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
</table>
| 592      | Max=75       | A         | I            | FDXE FDXG       | Field Level: Shipment
Optional.
Text for custom doc tab field 12.
Text on label truncates to 12 characters. |

### Label Orientation

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
</table>
| 1370     | Max=3        | N         | I            | FDXE FDXG       | Optional.
Indicates position of doc tab on the label.
Valid values are:
3—Doc tab at Bottom
4—Doc tab at Top
Overrides setting in the FSMS Configuration Utility. |

### Print On Consignee Labels Flag

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
</table>
| 1374     | Max=1        | A         | I            | FDXE FDXG       | Field Level: Shipment
Optional.
Flag to turn on/off Print Doc Tab fields on Consignee Labels.
Valid values:
Y—Enables printing on consignee label
N—Disables printing
Available for international shipments only. |

### Doc Tab Bar Code

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
</table>
| 1621     | Max=30       | A/N       | I            | FDXE FDXG       | Optional.
Data bar coded on the doc tab.
Use this field (1621) to override all doc tab selections configured in the or passed in the transaction.
Data must be alphanumeric characters only; no special characters allowed. |

### Doc Tab Header

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
</table>
| 1959     | Max=20       | A         | I            | FDXE FDXG       | Optional.
Header text that describes the data encoded in the doc tab bar code.
Data entered in field 1621 (Doc Tab Bar Code) follows the Header in human readable form, and the values print below the bar code.
Example: Store Number: (Data from field 1621) |
How to Print Reference Information on Labels

This section describes the FSMS fields required when printing reference information on a label. It includes these topics:

- Printing Reference Information on a Return Label
- Printing Reference Information on FedEx Ground Labels
- Printing Reference Information on FedEx Express Labels

Printing Reference Information on a Return Label

The following table describes the transaction shipment-level fields and rules required to print reference information on a FedEx Ground C.O.D. Return label.

Table 3-9 Reference Fields for FedEx Ground C.O.D. Return Labels

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Shipment Purchase Order Number**

- **Field ID**: 3001
- **Field Length**: Max=30
- **Data Type**: A
- **Input/Output**: I
- **FedEx Shipping Service**: FDXG
- **Valid For**: C.O.D. TD

**Field Level**: Shipment
Optional.
- Specifies the purchase order number for the shipment.
- Use field 3001 to print the purchase order number on a Returns label. Use only for shipments of two or more packages to the same recipient.
- This value prints on the thermal label. It is displayed in the P.O. # field on the FedEx Ground invoice.
- This field can only be used for shipments of two or more packages to the same recipient. Use in Single Shot and Open Ship transactions.
- This field can be used in the same transaction with the other two shipment level reference number fields: 3002 (Shipment Invoice Number) and 3003 (Shipment Customer Reference Information).

**Shipment Invoice Number**

- **Field ID**: 3002
- **Field Length**: Max=30
- **Data Type**: A
- **Input/Output**: I/O
- **FedEx Shipping Service**: FDXG
- **Valid For**: C.O.D. TD

**Field Level**: Shipment
Optional.
- Specifies the invoice number of the shipment.
- Use to field 3002 to print the invoice number on a Returns label.
- Use only for shipments of two or more packages to the same recipient.
- This value prints on the thermal label.
- Use this field for shipments of two or more packages to the same recipient. Use in Single Shot and Open Ship transactions.
- This field can be used in the same transaction with the other two shipment level reference number fields: 3001 (Shipment Purchase Order Number) and 3003 (Shipment Customer Reference Information).
### Reference Fields for FedEx Ground C.O.D. Return Labels

**Transaction:** 020/120 Global Ship Request/Reply - Single Piece, Single Shot, Open Ship (regular and TD Canada only)

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shipment Customer Reference Information</td>
<td></td>
<td></td>
<td></td>
<td>C.O.D. TD</td>
<td><strong>Field Level:</strong> Shipment Optional. Specifies additional customer information for the shipment. Use field 3003 to print customer reference information in the Customer Reference area of the invoice. Use only for shipments of two or more packages to the same recipient. This field can only be used for shipments of two or more packages to the same recipient. Use in single shot and Open Ship transactions. This field can be used in the same transaction with the other two shipment level reference number fields: 3001 (Shipment Purchase Order Number) and 3002 (Shipment Invoice Number). This value is displayed in the Customer Reference field of the invoice.</td>
</tr>
<tr>
<td>Ground C.O.D. Return Reference Indicator</td>
<td></td>
<td></td>
<td></td>
<td>C.O.D. TD</td>
<td><strong>Field ID:</strong> 3003</td>
</tr>
</tbody>
</table>

**Ground C.O.D. Return Reference Indicator**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3045</td>
<td>Min=1 Max=1</td>
<td>A/N</td>
<td>I/O</td>
<td>FDXG</td>
<td>C.O.D. TD</td>
</tr>
</tbody>
</table>
Printing Reference Information on FedEx Ground Labels

Table 3-10 describes the transaction package-level fields and rules required to print reference information on a FedEx Ground label.

**Table 3-10 Reference Fields for FedEx Ground Labels**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input Output</th>
<th>FedEx Shipping</th>
<th>Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Reference Information</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| 25-#     | Max=39       | A         | I/O          | FDXG            | All     |           | Field Level: Package  
Optional.  
Use this field for customer reference number CRN (FedEx Ground).  
This field must not be used if a shipment-level customer reference number (CRN) has been assigned in field 3003 (Shipment Customer Reference Information).  
If this field is used simultaneously with field 3003, then field 3003 is ignored. Package level fields take precedence.  
This value prints on the Customer Reference field on the FedEx Ground invoice and on the shipping label $AW.  
Use this field in single piece, single shot or Open Ship transaction. |

| **Package Purchase Order Number** | | | | | | | |
| 3056     | Max=30       | A         | I/O          | FDXG            | All     |           | Field Level: Package  
Optional.  
When used to create or print a bill of lading (BOL), this prints in the Purchase Order # section of the BOL. Each additional BOL order number prints directly below each article description. Field 3056 is the only field that supplies the full set for the BOL.  
For FedEx Ground domestic and international: this field prints the package purchase order number to a thermal label.  
For intra-U.S. and intra-CA, this is displayed in the P.O. # field on the FedEx Ground invoice.  
Note: This field is a package level field and should not be used if a shipment level purchase order number has been assigned in field 3001 (Shipment Purchase Order Number). If this field is used simultaneously with field 3001, then field 3001 is ignored. Package level fields take precedence.  
Use this field in single piece, single shot or Open Ship transaction. |

| **Package Invoice Number** | | | | | | | |
| 3057     | Max=30       | A         | I/O          | FDXG            | All     |           | Field Level: Package  
Optional.  
Prints the package invoice number on the thermal label.  
For intra-U.S. and intra-CA, this is displayed on the FedEx Express laser and image labels. It is displayed in the Ref. #3 field on the FedEx Express invoice.  
Field 3057 is a package level field and must not be used if a shipment level invoice number has been assigned in field 3002 (Shipment Invoice Number). If this field is used simultaneously with field 3002, then field 3002 is ignored. Package level fields take precedence. |
Printing Reference Information on FedEx Express Labels

If you need to display additional information for your shipment on the shipping label or the FedEx invoice, the 020 Global Ship Request transaction fields in Table 3-11 may be added to your shipping transaction.

Table 3-11 Reference Fields for FedEx Express Reference Information

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Reference Information</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Max=39</td>
<td>A/N</td>
<td>I</td>
<td>FDXE</td>
<td>All</td>
<td>Field Level: Package for all services except for FedEx Express International MPS which is shipment level. Optional. Use this field for optional notes (FedEx Express) and customer reference number CRN (FedEx Ground). For FedEx Express International MPS, this is a shipment-level field. For all other services, this field is a package-level field and must not be used if a shipment-level customer reference number (CRN) has been assigned in field 3003 (Shipment Customer Reference Information). If this field is used simultaneously with field 3003, then field 3003 is ignored. Package-level fields take precedence. This value prints on the FedEx Express shipping label, various reports, and the FedEx Express Shipper’s Declaration for Dangerous Goods 1421C form. This value also is displayed in the Customer Reference field on the FedEx Ground invoice and on the shipping label $AW.</td>
</tr>
<tr>
<td><strong>Sender/Origin Department</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>38</td>
<td>Max=30</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>All</td>
<td>Field Level: Shipment Optional. Department name of Sender or shipping origin. Use to override the default origin department setting in the FSMS Configuration Utility. When used in the 020 Global Ship Request transaction, the name prints on all shipping details. For FedEx Ground shipments, it prints on the invoice.</td>
</tr>
</tbody>
</table>
### Shipment Purchase Order Number

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3001</td>
<td>Max=30</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>US CA</td>
</tr>
</tbody>
</table>

**Field Level:** Shipment

Optional.

Specifies the purchase order number for the shipment.

Use field 3001 to print the purchase order number on a Returns label. Use only for shipments of two or more packages to the same recipient.

This value prints on the thermal label. For intra-U.S. and intra-CA, this is displayed on the FedEx Express laser and image labels. It is displayed in the Ref. #2 field on the FedEx Express invoice and P.O. # field on the FedEx Ground invoice.

This field can only be used for shipments of two or more packages to the same recipient. Use in single shot and Open Ship transactions.

This field can be used in the same transaction with the other two shipment level reference number fields: 3002 (Shipment Invoice Number) and 3003 (Shipment Customer Reference Information).

### Shipment Invoice Number

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3002</td>
<td>Max=30</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>US CA</td>
</tr>
</tbody>
</table>

**Field Level:** Shipment

Optional.

Specifies the invoice number of the shipment.

Use to field 3002 to print the invoice number on a Returns label. Use only for shipments of two or more packages to the same recipient.

This value prints on the thermal label. For intra-U.S. and intra-CA, this is displayed on the FedEx Express laser and image labels. It is displayed in the Ref. #3 field on the FedEx Express invoice.

Use this field for shipments of two or more packages to the same recipient. Use in single shot and Open Ship transactions.

This field can be used in the same transaction with the other two shipment level reference number fields: 3001 (Shipment Purchase Order Number) and 3003 (Shipment Customer Reference Information).
Note: These fields can also be configured to print on the thermal label doc tab.
How to Customize Labels

FedEx Ship Manager Server provides two options for customizing your shipping label. You can:

- Place the PNG 4” x 6” label graphic into your label stock. For example, you may create a packing list on an 8.5” x 11” form. As part of this form, you may also place the 4” x 6” PNG label graphic instead of creating a custom label of your own.
- Add a graphic or text file to the 4” x 8” or 4” x 9” thermal label. This label size provides 1.5” of blank space.

However, if neither of these options meets your custom label requirements, you may use FedEx Ship Manager Server to create a custom label. You can do this in two ways:

- Capture label information, including the 2D barcode, from the 120 Global Ship Reply transaction and create a custom label on your own
- Use the FSMS Custom Label Generator Utility to create a custom label.

Customizing a Thermal Label

You can use a customizable section of the 4” x 8” or 4” x 9” thermal label to customize the label. The 4” x 9” label has a doc tab, but the 4” x 8” label does not.

Using this method to customize a label eliminates the need to build a label from scratch. Also, you are not required to submit a thermal label with a customized section for FedEx validation. Only the ASTRA label can be customized in this way.

This is only applicable to the thermal label printed on a thermal printer set to 203 dpi (dots per inch) and the feature is available for FedEx Ship Manager Server version 8.2 (or higher).

The following table describes the label types supporting this feature.

Table 3-12 Input Values to Customize a Thermal Label

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>187</td>
<td>Max=3</td>
<td>A</td>
<td>I</td>
<td>FDXE FDXG</td>
<td>All</td>
<td>REQUIRED*. Enter the value that corresponds to the label format to print or label buffer to save. Each label format / printer type combination has a specific code. *Required if field 1282 specifies value T (Thermal label), F (Thermal label buffer to multiple files) or S (Thermal label buffer to single file). The label buffer string is returned in field 188 (Label Buffer String). Specify one of the following valid values: 399—Eltron/Zebra EPL 4” x 8” 499—Eltron/Zebra EPL 4” x 9” 388—Zebra 4” x 8” 488—Zebra 4” x 9” The label buffer string is returned in field 188 (Label Buffer String).</td>
</tr>
</tbody>
</table>

In the 4” x 1.5” customizable section of the 4” x 8” or 4” x 9” label you can enter a line, a barcode, text or a graphic image. FedEx does not validate the appearance of the customizable section nor the fields used to create that portion of the label.
Table 3-13 describes the transaction fields used to input data for the customizable label section. All fields listed in this table are multiple-occurrence fields.

**Table 3-13 Fields Used to Customize Thermal Labels**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2429-#</td>
<td>Max=2</td>
<td>N</td>
<td>I</td>
<td>FDXE FDXG</td>
<td>Optional. Use to identify type of data element for the customizable portion of the 4” x 8” or 4” x 9” thermal label. Maximum of twelve (12) occurrences allowed. Valid values are 01 — Line 02 — Graphic 03 — Text Entry 04 — Bar code</td>
</tr>
<tr>
<td>2430-#</td>
<td>Max=5</td>
<td>N</td>
<td>I</td>
<td>FDXE FDXG</td>
<td>REQUIRED*: Defines the X-coordinate for the placement of the beginning of the customizable entry. *Required when using field 2429 (Custom Label Type Indicator) with valid value. Valid values: non-negative integer only. Occurrence # must match occurrence # of field 2429.</td>
</tr>
<tr>
<td>2431-#</td>
<td>Max=5</td>
<td>N</td>
<td>I</td>
<td>FDXE FDXG</td>
<td>REQUIRED*: Defines the Y-coordinate for the placement of the beginning of the customizable entry. Valid values: non-negative integer only. *Required when using field 2429 (Custom Label Type Indicator) with valid value. Occurrence # must match occurrence # of field 2429.</td>
</tr>
<tr>
<td>2432-#</td>
<td>Max=35</td>
<td>A</td>
<td>I</td>
<td>FDXE FDXG</td>
<td>REQUIRED*: Text string to be printed in the customizable section. It can also include format specifiers. *Required when using field 2429 (Custom Label Type Indicator) with value of 03 or 04. Occurrence # must match occurrence # of field 2429. Alphanumeric with no special characters.</td>
</tr>
<tr>
<td>2433-#</td>
<td>Max=25</td>
<td>A</td>
<td>I</td>
<td>FDXE FDXG</td>
<td>REQUIRED*: Enter a comma delimited list of tags. *Required when using field 2429 (Custom Label Type Indicator) with value of 03 or 04. Occurrence # must match occurrence # of field 2429. Alphanumeric with no special characters.</td>
</tr>
</tbody>
</table>
### Fields Required to Customize Labels

**Transaction: 020 Global Ship Request**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2434-#</td>
<td>Max=3</td>
<td>A</td>
<td>I</td>
<td>FDXE FDXG</td>
<td>REQUIRED*. Logical font that will be translated to the appropriate printer font. *Required when using field 2429 (Custom Label Type Indicator) with value of 03. Occurrence # must match occurrence # of field 2429.</td>
</tr>
<tr>
<td>2436-#</td>
<td>Max=3</td>
<td>A</td>
<td>I</td>
<td>FDXE FDXG</td>
<td>REQUIRED*. Logical memory location where the graphic is stored. *Required when using field 2429 (Custom Label Type Indicator) with value of 02. Occurrence # must match occurrence # of field 2429.</td>
</tr>
<tr>
<td>2437-#</td>
<td>Max=5</td>
<td>N</td>
<td>I</td>
<td>FDXE FDXG</td>
<td>REQUIRED*. Defines the X-coordinate for the end of the customizable entry. *Required when using field 2429 (Custom Label Type Indicator) with value of 01. Valid values: non-negative integer only. Occurrence # must match occurrence # of field 2429.</td>
</tr>
<tr>
<td>2438-#</td>
<td>Max=5</td>
<td>N</td>
<td>I</td>
<td>FDXE FDXG</td>
<td>REQUIRED*. Defines the Y-coordinate for the end of the customizable entry. *Required when using field 2429 (Custom Label Type Indicator) with value of 01. Valid values: non-negative integer only. Occurrence # must match occurrence # of field 2429.</td>
</tr>
<tr>
<td>2439-#</td>
<td>Max=5</td>
<td>N</td>
<td>I</td>
<td>FDXE FDXG</td>
<td>REQUIRED*. Height of the bar code in inches divided by the vertical printer DPI (dots per inch). Required when using field 2429 (Custom Label Type Indicator) with value of 04. Valid values: non-negative integer only. Occurrence # must match occurrence # of field 2429.</td>
</tr>
<tr>
<td>2440-#</td>
<td>Max=5</td>
<td>N</td>
<td>I</td>
<td>FDXE FDXG</td>
<td>REQUIRED*. Width in dots of the thinnest bar in the bar code. The thinnest bar code value entered can be divided by the printer’s dpi (dots per inch) to derive milspec. *Required when using field 2429 (Custom Label Type Indicator) with value of 04. Valid values: non-negative integer only. Occurrence # must match occurrence # of field 2429.</td>
</tr>
</tbody>
</table>
Submitting Custom Labels for FedEx Approval

Before you can produce custom labels in a production environment, FedEx must first test your custom labels to ensure that FedEx can scan them for routing and delivery.

To request the certification paperwork, contact Web Support at websupport@fedex.com or call 1.877.339.2774 (voice prompter: Web Services).

**FedEx Express Label Approval**

Submit custom FedEx Express labels to:

FedEx World Headquarters  
Attention: Barcode/Label Analyst  
3630 Hacks Cross Road, Building I  
Memphis, TN 38125

You must submit one label sample for each FedEx service, such as FedEx Priority Overnight, FedEx International Priority, and so forth.

After FedEx approves your labels you can proceed with custom label deployment.

**FedEx Ground/FedEx Home Delivery Label Approval**

Submit custom FedEx Ground and FedEx Home Delivery labels to:

FedEx Ground  
Attention: Barcode Analyst  
1000 FedEx Drive  
Moon Township, PA 15108

You must submit five label samples for each FedEx Ground and/or FedEx Home Delivery service type you want to use. Additionally, ten consecutive incremental labels are required from each production printer you want to use. After FedEx approves your labels you can proceed with custom label deployment.

---

**Fields Required to Customize Labels**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
</table>
| 2441-#   | Max=2        | N         | I            | FDXE                    | All       | REQUIRED*: Type of bar code requested on the customizable portion of the label.  
*Required when using field 2429 (Custom Label Type Indicator) with value of 04.  
Occurrence # must match occurrence # of field 2429.  
Valid values are:  
01—(reserved for future use)  
02—Code128B  
03—Code128C  
07—Code39 |
FedEx Ground Hazardous Materials OP900 Form and Report

If a shipper sends either or both the Dangerous Goods HazMat Technical Name field and the Subsidiary Risk field, the values provided by the shipper print on the OP900 form. All information provided in a field will print on the OP900 form without truncation. FSMS automatically prints the parentheses around the Dangerous Goods HazMat Technical Name value on the OP900 form.

Note: Hazardous materials customers need to enter the Subsidiary Risk in the correct format for printing on the OP-900 form. For the Subsidiary Risk field, there may be 2 Subrisks for the UN ID: Subrisk 1 and Subrisk 2. This information must be separated by a comma when you enter it in the field. FSMS does not validate the format for these fields.

Printing Information on Ground OP900/OP900B Forms

To ship a FedEx Ground domestic North America regulated shipment, pass the fields listed in this table in a 020 Global Ship Request transaction.

Table 3-14 Fields for Printing Information on the Ground OP900/OP900B Forms

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Field ID</th>
<th>Values</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dangerous Goods Regulations Indicator</td>
<td>1900</td>
<td>Value set to N to designate the shipment as a North America regulated shipment (FedEx Ground only)</td>
<td>Prints specific information on OP900/OP900B form.</td>
</tr>
<tr>
<td>UN Identification Number</td>
<td>451</td>
<td>Enter valid UN ID number, such as 1234 for FedEx Ground U.S. domestic shipment. Required if 1493 = Y and printing the FedEx Ground Hazardous Materials Shipping Paper, OP-900.</td>
<td></td>
</tr>
<tr>
<td>Dangerous Goods Packing Type</td>
<td>461</td>
<td>Enter packing type used for the dangerous goods shipment. See Section 5 of the IATA DG Regulations.</td>
<td></td>
</tr>
</tbody>
</table>

To configure the OP900 form, use the Report Settings tab on the FSMS Configuration Utility. See “Designating a Printer Path for OP900 Forms” in this chapter.

Printing the HazMat Class on the OP900 Form

To request to have the HazMat Class printed on the OP900 form, pass the fields listed in this table in a 020 Global Ship Request transaction.

Table 3-15 Fields for Printing HazMat Class on the OP900 Form

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Field ID</th>
<th>Values</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subsidiary Risk</td>
<td>1902</td>
<td>Subsidiary Risk 1, and Subsidiary Risk 2</td>
<td></td>
</tr>
</tbody>
</table>
Laser Format for Hazardous Materials OP900 Label

FedEx supports the following FedEx Ground hazardous materials labels:

- OP-900 ‘Laser’—for laser printer
- OP-900/OP-900B ‘Form Feed’—for dot matrix printer

Select the form type “laser” when you want to print the OP900 form label and select “formfeed” to print the OP900B label.

Note: You must enable ‘Ground HazMat’ on the Meter Settings tab in the FedEx Configuration Utility before you can print hazardous materials labels.

OP900 Laser Form

The OP900 Laser form is a new format that prints the following FSMS field values in the first line of the Hazardous Materials Description and Quantity box. If a field is passed without a value, that field is not printed.

Fields print in the following order separated by commas:

First Line

<table>
<thead>
<tr>
<th>Order</th>
<th>Field Name</th>
<th>Field ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>HazMat Package Quantity and Type</td>
<td>4903</td>
</tr>
<tr>
<td>2</td>
<td>Identification Number</td>
<td>451</td>
</tr>
<tr>
<td>3</td>
<td>DOT Shipping Name of Material</td>
<td>1903</td>
</tr>
<tr>
<td>4</td>
<td>DOT HazMat Class or Division Number</td>
<td>492</td>
</tr>
<tr>
<td>5</td>
<td>Packing Group</td>
<td>489</td>
</tr>
</tbody>
</table>

Second or Separate Line

<table>
<thead>
<tr>
<th>Order</th>
<th>Field Name</th>
<th>Field ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>HazMat Quantity</td>
<td>466</td>
</tr>
<tr>
<td>2</td>
<td>HazMat Unit of Measure</td>
<td>471</td>
</tr>
<tr>
<td>3</td>
<td>Type DOT Label(s) Required, LTD. QTY. or Exemption Number</td>
<td>3072</td>
</tr>
</tbody>
</table>

Note: There is no comma between Quantity and Unit of Measure when these values print on the label.
Hazardous Materials Laser Form Sample - Front

This illustration shows the front of the hazardous materials 8 1/2" x11" OP-900LL form.
Hazardous Materials Laser Form Sample - Back

The following illustration shows the back of the hazardous materials 8 ½" x 11" OP-900LL form.

Instructions:

- The FedEx Ground HazMat Shipping Paper must be generated using HazMat software specified by your account representative.
- Labels 1, 2, & 4 require a signature and date, which can be handwritten or computer generated.
- Peel Label 2 off of the form and apply it to the box as close to the address label as possible.
- Keep (Label 1) shippers copy.
- Give the driver copy (Label 4) to the FedEx Ground driver.
- Fold and insert the remaining copies of the HazMat shipping papers into the supplied envelope. Affix the envelope to the package.
- The "FXG" sections are to be left blank.
- For additional information, please contact the FedEx Ground HazMat hotline at 1-800-GO-FEDEX extension 81.
Hazardous Materials OP900 Form - Prior to FedEx Ship Manager Server v10.0.1

The following illustration shows the hazardous materials OP900 Form prior to FedEx Ship Manager Server v10.0.1.

![HAZARDOUS MATERIALS Form](image)

**Coding Data on the Laser Form for Hazardous Materials OP900 Form**

The following fields map to information on the OP900 Laser Form:

<table>
<thead>
<tr>
<th>Field Description</th>
<th>Field ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Account Number</td>
<td>10</td>
</tr>
<tr>
<td>Signature&lt;sup&gt;1&lt;/sup&gt;</td>
<td>32</td>
</tr>
<tr>
<td>Tracking Number</td>
<td>29</td>
</tr>
<tr>
<td>Ship Date</td>
<td>24</td>
</tr>
<tr>
<td>HazMat Emergency Contact Number</td>
<td>484</td>
</tr>
<tr>
<td>Department of Transportation (DOT) Shipping Name of Material</td>
<td>1903</td>
</tr>
<tr>
<td>DOT Hazard Class or Division Number</td>
<td>492</td>
</tr>
<tr>
<td>HazMat Package Quantity and Type</td>
<td>4903</td>
</tr>
<tr>
<td>Identification Number</td>
<td>451</td>
</tr>
<tr>
<td>HazMat Packing Group</td>
<td>489</td>
</tr>
<tr>
<td>Type DOT Label(s) Required, Ltd. Qty., or Exemption Number</td>
<td>3072</td>
</tr>
<tr>
<td>HazMat Quantity</td>
<td>466</td>
</tr>
<tr>
<td>HazMat Unit of Measure</td>
<td>471</td>
</tr>
</tbody>
</table>

<sup>1</sup> If the FSMS transaction does not pass in the Sender Name, the Signature field will be blank on the form and require a manual signature.
Fields for Laser Format for OP900 Form

Use the 020 Global Ship Request transaction to pass fields that specify the laser format for the Hazardous Materials OP900 Form.

Report Code '041 (Ground OP900)' value in conjunction with field 1680 set to 02 (laser) specifies the OP900LL form. Field 4903 (HazMat Package Quantity and Type) describes the number and type of packaging used in the hazardous materials shipment.

Fields for Laser Format for Hazardous Materials OP900 Form

Table 3-16 Fields for Laser Format for Hazardous Materials OP900 Form

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1680</td>
<td>Max=2</td>
<td>N</td>
<td>I/O</td>
<td>FDXG</td>
<td>Optional. Indicates the type of printer used to print dangerous goods (DG)/hazardous materials (HazMat) forms. You must match the field occurrence number (for example, 1680-1) with the occurrence number of field 1373 (Report Code) for the type of form you request. Valid values are: 01—Form Feed (default) 02—Laser Note: While you can designate a printer to print DG or HazMat forms using field 568 (Report Directory), field 1680 allows you to designate a separate printer for this form type if you use a pin-feed or laser printer specifically designated as your &quot;Dangerous Goods&quot; or &quot;HazMat Form&quot; printer. Setting up a separate printer using field 1680 eliminates the need to change paper stock in your report printer. For U.S. dangerous goods shipments, use this field in single shot and Open Ship transactions. For international dangerous goods shipments, use in single piece transactions. For a hazardous materials shipment, use in single piece transactions only.</td>
</tr>
</tbody>
</table>

| 1373     | Max=3        | N         | I/O          | FDXG                    | Optional. Detailed package content information for Priority Alert Service. Maximum of two occurrences. |

| 4903-#   | Min=1 Max=20 | A/N       | I/O          | FDXG                    | Field Level: Package. Number and type of packaging used for the hazardous materials (HazMat) shipment. Valid value is free-form text. |

For U.S. dangerous goods shipments, use this field in single shot and Open Ship transactions. For international dangerous goods shipments, use in single piece transactions. For a hazardous materials shipment, use in single piece transactions only.
Designating a Printer Path for OP900 Forms

You can designate a printer path in the 070/170 Configuration/Meter Query Request transaction by passing field 538 (Report Printer ID) with other required fields for:

- OP900LL form—when ‘Laser’ is designated as the Form Type
- OP900B form—when it is designated as the Report Type

Note: Only one hazardous materials OP900 form type may be active at a time. The new OP-900LL form, new OP900B form and the existing OP-900 form are independent of each other.

Configure Hazardous Materials OP900LL Report

To configure the HazMat OP900LL Report

1. Open the FedEx Configuration Utility.
2. Click the Report Settings tab.
3. In the left pane, expand DG.
4. Select Ground OP900.
5. In the Form Type field, use the drop-down menu and select one of the following options:
   - FormFeed (default)
   - Laser
6. In the Printer field, if you selected ‘FormFeed’, choose a dot matrix printer device. If you selected ‘Laser’, choose a laser printer device. Use the Printer button on the right to browse for available printers on your system.
7. Click Apply or Apply & Exit.

This illustration shows the Ground OP900 screen.
Printing DOT HazMat Class and Subsidiary Risk

The DOT HazMat Class (field 492) and Subsidiary Risk (field 1902) information print together on the OP-900 in the following order:

- First—Information in the Department of Transportation (DOT) Hazmat Class field
- Second—Information in the Subsidiary Risk field enclosed in parentheses

Note: Hazardous materials customers need to enter the DOT HazMat Class.

Formats for DOT HazMat Class and Subsidiary Risk Fields

The following tables show both correct and incorrect ways to specify the format for Department of Transportation (DOT) HazMat Class and Subsidiary Risk fields in a 020 Global Ship Request transaction. All examples assume that the UN identification number is UN1045, the Class is 2.3, Subrisk 1 is 5.1 and Subrisk 2 is 8.

Example 1: Correct Format—Information prints as 2.3(5.1,8)

492,”2.3“1902,”5.1,8“

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Name</th>
<th>Format</th>
</tr>
</thead>
<tbody>
<tr>
<td>492</td>
<td>DOT HazMat Class</td>
<td>492,”2.3“</td>
</tr>
<tr>
<td>1902</td>
<td>Subsidiary Risk</td>
<td>1902,”5.1,8“</td>
</tr>
</tbody>
</table>

Example 2: Correct Format—Information prints as 2.3((5.1),(8))

492,”2.3“1902,”(5.1),(8)“

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Name</th>
<th>Format</th>
</tr>
</thead>
<tbody>
<tr>
<td>492</td>
<td>DOT HazMat Class</td>
<td>492,”2.3“</td>
</tr>
<tr>
<td>1902</td>
<td>Subsidiary Risk</td>
<td>1902,”(5.1),(8)“</td>
</tr>
</tbody>
</table>

Example 3: Incorrect Format—Information prints as 23(518)

492,”23“1902,”518“

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Name</th>
<th>Format</th>
</tr>
</thead>
<tbody>
<tr>
<td>492</td>
<td>DOT HazMat Class</td>
<td>492,”23“</td>
</tr>
<tr>
<td>1902</td>
<td>Subsidiary Risk</td>
<td>1902,”518“</td>
</tr>
</tbody>
</table>
FedEx Express Dangerous Goods Form 1421C

FedEx Ship Manager Server provides the ability to print the 1421C Dangerous Goods Declaration form. You can print the 1421C form as a multi-ply form or on plain paper. The multi-ply form is printed on a pin-feed printer. The plain paper form can be printed on 8-1/2" x 11" or A4 paper.

The FedEx Express 1421C Dangerous Goods Declaration form is required for all dangerous goods shipping (both domestic and international). If you choose to use the Open Ship shipping method and print the 1421C form, only the dangerous goods information that is associated with the CREATE function will print. The 1421C form is printed at the shipment level and generated when the shipment is confirmed and/or processed by FedEx Ship Manager Server. FSMS gives you the ability to print multiple pages.

Only one 1421C form is allowed per shipment. The information on the form is taken from the first dangerous goods package within the shipment. The data entered on the form includes:

- Shipper
- Consignee
- Air Waybill Number
- Number of Pages in Form
- Shipper’s Reference Number
- Transport Details (section)
  - Airport of Departure
  - Airport of Destination
  - For aircraft type—Enter “Passenger and Cargo Aircraft Only” or “Cargo Aircraft Only”
- Shipment Type (section)
- Additional Handling Information
- Nature and Quantity of Dangerous Goods (section)
- Emergency Telephone
- Name and Title of Signatory
- Signature
- Place and Date

To configure the 1421C form, use the Report Settings window of the FSMS Configuration Utility.

See the FedEx Ship Manager Server Installation and Configuration Guide for instructions. See also "Configuring Printers for Labels, Forms and Reports" in this guide.
The following figures show the upper and lower portions of a 1421C Dangerous Goods Declaration form.

**Figure 3-1** Example of FedEx 1421C Dangerous Goods Declaration Form (Upper Section)

### About EPRRQ Labels

EPRRQ labels are required for dangerous goods Excepted Package Radioactive (EPRRQ) shipments. No Dangerous Goods Human Readable Indicators (IDG or ADG) are printed in the ASTRA section of the label for EPRRQ shipments that are not considered to be a dangerous goods shipment.

Excepted package radioactives must have a reportable quantity (RQ) and require a modified version of the Shipper’s Declaration in order to ship. EPRRQ commodities are only permitted when and where “inaccessible dangerous goods” are permitted and IATA Validation occurs.

You can ship EPRRQ commodities using these FedEx Express services: FedEx Transborder Distribution (CA and MX), International Priority DirectDistribution and International Priority DirectDistribution Freight.

### 1421C Form for EPRRQ

FedEx Ship Manager Server prints the 1421C form for EPRRQ shipments.

**To print the 1421C form**

You must set up the 1421C form in the **Report Settings** tab of the FSMS Configuration Utility and pass field 1493 (DG/HazMat Form Print Flag) set to Y in the 020 Global Ship Request transaction.
You may use the 1421C form for EPRRQ with the two standard form types: form feed and laser.

### Label Transaction Samples

All barcode strings required for creating custom FedEx Express or FedEx Ground labels are returned in the 120 Global Ship Reply for each Open Ship transaction.

The following transaction sample shows which fields to include in a 020 Global Ship Request Open Ship transaction in order to return barcode strings for custom labels.

**Transaction Sample for Shipment 1234 to Indianapolis from Sam's Publishing**

Shows Open Ship CREATE shipment transaction (541 = YNNNNNNNN) submitted with field 1282 = B and field 1660 = Y to indicate a custom label. A pre-assigned tracking number in field 1222 is optional and is not shown in this transaction sample.

```
```

Shows Open Ship ADD piece (541 = NNNYNNNNN) transaction submitted with field 1282 = B and 1660 = Y to indicate a custom label.

```
```

Shows Open Ship Edit piece (541 = NNNYYNNNN) transaction submitted with field 1282 = B and 1660 = Y to indicate a custom label.

```
```

Shows an Open Ship CONFIRM shipment transaction. Field 1282 and Field 1660 must be included in the CONFIRM transaction.

```
```

**Transaction Sample for Shipment 23456 to Indianapolis from Sam's Publishing**

Shows Open Ship CREATE shipment and simultaneous RATE shipment transaction (541 = YNYNNNNNN) submitted with field 1282 = B and field 1660 = Y to indicate a custom label.

```
```

Shows Open Ship ADD package and simultaneous RATE shipment transaction (541 = NYNNNNNNN) submitted with a pre-assigned tracking number in field 1222.

```
```

Shows Open Ship CONFIRM shipment transaction (541 = NNNNNNNNY) submitted with field 1282 = B and field 1660 = Y to indicate a custom label.
Transaction Sample for Shipment 34567 to Indianapolis from Sam's Publishing

Shows Open Ship CREATE shipment transaction (541 = YNNNNNNNNN) submitted with field 1282 = B and field 1660 = Y to indicate a custom label.

Shows Open Ship ADD piece (541 = NNNYNmNNN) transaction submitted with field 1282 = B and 1660 = Y to indicate a custom label.

Shows Open Ship CONFIRM transaction (541=NNNNNNNNYY) submitted with field 1282 = B and field 1660 = Y to indicate a custom label.
FedEx Label Samples

This section shows samples of different FedEx labels required for FedEx shipping. All label illustrations shown are smaller than actual size. They include:

- FedEx Express U.S. Label
- FedEx Ground U.S. Label
- FedEx Home Delivery Label
- FedEx Express International Label
- FedEx SmartPost Label
- FedEx Transborder Distribution Label

FedEx Express U.S. Label

This is an example of a label for a FedEx Express U.S. shipment. The upper portion of the label is blank and is folded before insertion in the shipping pouch attached to the package.
FedEx Ground U.S. Label

This is an example of a label for a FedEx Ground U.S. shipment.

From: 901 26 34 97500
Sender Contact Name
Sender Company
Sender Address Line 1
Sender Address Line 2
COLLIERVILLE, TN 38017

SHIP TO: (123) 456 7890
Auto Step 026
FXRS1000.43.20090126
387 Main Street
Recipient Address Line 2
New York, NY 10001

Ship Date: 21APR09
ActWgt: 10.0 LB
CAD: 4133563081000
Account #: S********

Invoice #: |
Reference #: DOMUS to US GRD YP
PO #: |
Ship ID: |

GND Prepaid

(9612019) 0414936 70001557
019
## FedEx Home Delivery Label

This is an example of a label for a FedEx Home Delivery label.

<table>
<thead>
<tr>
<th>From</th>
<th>901 26 38 975 00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sender Contact Name</td>
<td></td>
</tr>
<tr>
<td>Company</td>
<td>FedEx</td>
</tr>
<tr>
<td>Address Line 1</td>
<td>COLLIERVILLE, TN 38017</td>
</tr>
<tr>
<td>Address Line 2</td>
<td></td>
</tr>
<tr>
<td>Address Line 3</td>
<td></td>
</tr>
<tr>
<td>Address Line 4</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ship To</th>
<th>(123) 456 7890</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto Step</td>
<td>026</td>
</tr>
<tr>
<td>FXRS1000.43.20090126</td>
<td></td>
</tr>
<tr>
<td>Address Line 1</td>
<td>387 Main Street</td>
</tr>
<tr>
<td>Address Line 2</td>
<td>New York, NY 10001</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ship Date</th>
<th>21APR09</th>
</tr>
</thead>
<tbody>
<tr>
<td>ActWgt</td>
<td>60.1B</td>
</tr>
<tr>
<td>COD</td>
<td>4D3235/FEPS1000</td>
</tr>
<tr>
<td>Account</td>
<td>S*********</td>
</tr>
<tr>
<td>Invoice #</td>
<td></td>
</tr>
<tr>
<td>Reference #</td>
<td></td>
</tr>
<tr>
<td>DOM/US to</td>
<td></td>
</tr>
<tr>
<td>POD/HD/YP</td>
<td></td>
</tr>
<tr>
<td>Dopt #</td>
<td></td>
</tr>
<tr>
<td>Ship ID</td>
<td></td>
</tr>
</tbody>
</table>

**Example Label**

![FedEx Home Delivery Label Example](image)
FedEx Express International Label

This is an example of a label for a FedEx Express International shipment.
FedEx SmartPost Label
This is an example of a FedEx SmartPost label.

Return Address:
Sender Company
Sender Address Line 1
Sender Address Line 2
ORLANDO, FL 328105939

CARRIER LEAVE IF NO RESPONSE

SHIP TO:
Recipient Contact Name
Recipient Address Line 1
Recipient Address Line 2
Memphis, TN 38107

ZIP - USPS DELIVERY CONFIRMATION e-VS

420 38107 9102 0000 0023 2000 0001 11

STD A SHIPMENT
FedEx Transborder Distribution Label

This is an example of a FedEx Express Transborder Distribution label.

FedEx Transborder Distribution Label

This is an example of a FedEx Ground Transborder Distribution label.
CHAPTER 4: FEDEX SHIP MANAGER SERVER OPEN SHIP TRANSACTIONS

This chapter describes the Open Ship shipping method. Open Ship allows you to create an open shipment and add packages to the shipment over a period of time, giving you a flexible way to prepare your shipment throughout the day until you are ready to ship.

It describes the procedure for creating and building an Open Ship shipment using FedEx Ship Manager® Server and the 020/120 Global Ship Request/Reply transaction.

Please read Chapter 2: About FedEx Ship Manager Server Transactions as a prerequisite for this chapter.

This chapter includes these topics:

• Open Ship for FedEx Ship Manager Server
• Open Ship Process and Workflow
• About FedEx Ship Manager Server Open Ship Transactions
• Performing Pre-Ship Validation for Open Ship
• CREATE Open Ship Shipment Transaction
• ROUTE and Time-In-Transit Transaction
• RATE Open Ship Shipment Transaction
• ADD Piece Transaction
• EDIT Piece Transaction
• EDIT Open Ship Shipment Transaction
• DELETE Piece Transaction
• DELETE Shipment Transaction
• CONFIRM Piece and Print Label
• CONFIRM Piece and Shipment Transactions
• Open Ship Print Options
• FedEx Express U.S. Open Ship Transaction Samples
• FedEx Ground Open Ship Transaction Samples
Open Ship for FedEx Ship Manager Server

Open Ship is a highly flexible shipping feature unique to the FedEx Ship Manager Server application. Open Ship allows you to create and enter information for a shipment as it is received throughout the day, rather than entering all of the shipping information only when the shipment is ready to be processed. The shipment remains "open" accepting each package as it is entered and closing only when you confirm over a seven day period.

You can print labels for each piece as you need them or wait until the shipment is confirmed and print all labels prior to ship. This printing preference is called Open Ship Print-As-You-Go (PAYG) and is enabled in an Open Ship transaction.

Open Ship shipments are typically multiple-piece shipments (MPS) but can also be shipments that contain single packages, referred to as single-piece shipments.

FedEx Services with Open Ship

You can use the Open Ship shipping method for the following FedEx services:

- FedEx Express® U.S. domestic
- FedEx Ground® U.S. domestic
- FedEx Home Delivery®
- FedEx International Priority DirectDistribution® (IPD)
- FedEx International Economy DirectDistribution™ Service (IED)
- FedEx International Priority DirectDistribution® Freight (IDF)
- FedEx International Ground® Distribution (IGD)
- FedEx International Ground DirectDistribution® (IGDD)
- FedEx® Transborder Distribution (TD) shipments
Open Ship Process and Workflow

An Open Ship shipment typically requires multiple transactions: one to CREATE the shipment, one or more to ADD or EDIT the packages in the shipment, and one to CONFIRM the shipment. Figure 4-1 illustrates the workflow for processing an Open Ship shipment.

Figure 4-1 Open Ship Process Workflow

<table>
<thead>
<tr>
<th>Workflow Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 CREATE Shipment</td>
<td>To CREATE a shipment requires the 020 Global Ship Request transaction with field 541 (Open Ship Flags) set to Y in the first position: Field 541 = “YNNNNNNNN”. A tracking number for the shipment is assigned by FedEx Ship Manager Server. No labels are printed for the Open Ship CREATE shipment.</td>
</tr>
<tr>
<td>2 - 4 ADD Piece*</td>
<td>Packages are processed individually by sending an Open Ship ADD piece transaction. A shipping label with a unique tracking number prints for each piece (aka package) processed. To ADD a piece to a shipment, use the 020 Global Ship Request transaction with field 541 (Open Ship Flags) set to Y in the 4th (fourth): 541, “NNYNNNNNN”.</td>
</tr>
<tr>
<td>- 4 ADD Piece (Nth Package)</td>
<td></td>
</tr>
<tr>
<td>5 CONFIRM Shipment</td>
<td>You must ADD a minimum of 2 (two) pieces before you can CONFIRM an Open Ship shipment. To CONFIRM the shipment, send the 020 Global Ship Request transaction with field 541 (Open Ship Flags) set to Y in the 9th (ninth) position: 541, “NNYNYYYYN”. Package labels and all other reports are printed to designated printers. No master is printed for Transborder Distribution®. Package labels may be printed at the time of shipping (called Print-At-The-End) or when you CREATE, ADD, or EDIT packages (called Print-As-You-Go). FedEx Ship Manager Server prints reports when you perform the Open Ship CONFIRM shipment and end-of-day Close transactions.</td>
</tr>
</tbody>
</table>
About FedEx Ship Manager Server Open Ship Transactions

Open Ship transactions consist of five steps that perform these functions:

1. CREATE shipment
2. ADD packages
3. DELETE packages or EDIT information about them (optional)
4. EDIT information about the shipment (optional)
5. CONFIRM package and/or CONFIRM shipment

Field 541 Open Ship Flags

Each step in the process is turned off or on by an Open Ship flag that is designated in field 541 (Open Ship Flags).

Field 541 consists of nine (9) digits that can be set to either Y (Enabled) or N (Disabled). Each position in the nine digit sequence is assigned a function related to the Open Ship step process, such as CREATE or ADD. At least one position in the nine-digit sequence must be set to Y. Table 4-1 lists the Open Ship flag positions, identifies the function for each position and shows the value to enter.

Table 4-1 Open Ship Flag Positions for Field 541

<table>
<thead>
<tr>
<th>Position</th>
<th>Description</th>
<th>Syntax</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CREATE the Shipment</td>
<td>YNNNNNNNN</td>
</tr>
<tr>
<td>2</td>
<td>ROUTE/Time-in-Transit</td>
<td>NYNNNNNNN</td>
</tr>
<tr>
<td>3</td>
<td>RATE the Shipment</td>
<td>NNYNNNNNN</td>
</tr>
<tr>
<td>4</td>
<td>ADD a Piece/Package</td>
<td>NNNYNNNNN</td>
</tr>
<tr>
<td>5</td>
<td>EDIT a Piece/Package</td>
<td>NNNNYNNNN</td>
</tr>
<tr>
<td>6</td>
<td>EDIT the Shipment</td>
<td>NNNNNYNNN</td>
</tr>
<tr>
<td>7</td>
<td>DELETE a Piece/Package</td>
<td>NNNNNNYYNN</td>
</tr>
<tr>
<td>8</td>
<td>DELETE the Shipment</td>
<td>NNNNNNNYN</td>
</tr>
<tr>
<td>9</td>
<td>CONFIRM the Piece/Package</td>
<td>NNNNNNNNY</td>
</tr>
<tr>
<td>9</td>
<td>CONFIRM the Shipment</td>
<td>NNNNNNNNY</td>
</tr>
</tbody>
</table>

Shipment versus Package Level Flags

Flags are specifically set to shipment or package level. In other words, you can EDIT information either for a package or a shipment, but you must select the correct flag depending on what you want to do. You must also distinguish between shipment and package when you CONFIRM.

Multiple Flags in Single Transaction Strings

You can use some of the Open Ship flags in conjunction with each other. For example, you can CREATE a shipment and CONFIRM the shipment with one transaction (assuming all required information to ship a package is received), or ADD a package and CONFIRM, or even EDIT data, ADD a package, and CONFIRM.
Rules for Open Ship Transactions

Use the Open Ship method when you want to add multiple packages to a shipment over a period of time but do not know how many packages you plan to add or when the shipment will be complete. Using Open Ship gives you the flexibility to create the shipment first and add packages as needed. Please read the rules for Open Ship transactions carefully.

**Important:** You must complete an Open Ship shipment within seven (7) days after the CREATE transaction. After seven (7) days, FedEx Ship Manager Server deletes the entire shipment.

**Open Ship Rules**

The following rules apply to Open Ship transactions:

- Open Ship requires two fields - field 541 (Open Ship Flags) to specify the Open Ship function (CREATE, ADD, EDIT, RATE, ROUTE or CONFIRM) and field 542 (Open Ship Index) to identify the Open Ship index number that tells FedEx Ship Manager Server on which shipment to perform the function.

- You can use some of the Open Ship flags in conjunction with each other. For example, you can CREATE a shipment and CONFIRM the shipment with one transaction (assuming all required information to ship a package is received), or ADD a package and CONFIRM, or even EDIT data, ADD a package, and CONFIRM.

- You can CREATE several Open Ship shipments within the same day, but each must contain its own unique shipment index number in field 542. This number is used to access the shipment for future editing. After you CONFIRM the shipment, the Open Ship ID number loses its association with the shipment and may be reused.

- You have 7 days to CONFIRM an Open Ship shipment after a Close (End-of-Day) transaction. After the 7th day, FedEx Ship Manager Server deletes the entire shipment if you do not CONFIRM the shipment.

- If you do not CONFIRM a shipment on the same day you CREATE it, or if a Future Day ship date is not specified during the CREATE transaction, you must change the Ship Date to the current day or later.

- To ship a multiple-piece shipment (MPS) to a single consignee, use Open Ship to ADD individual packages to the shipment.

- You can choose to print labels as you CREATE, ADD and EDIT packages in a shipment. This feature is called Print-As-You-Go (PAYG) and is available for FedEx US Domestic Express (including US Domestic Express C.O.D.) and FedEx US Domestic Ground services.

- An Open Ship shipment (non-PAYG) must have at least one package at all times prior to CONFIRM. If a package is confirmed and is the only package in the shipment, the entire shipment is confirmed and you cannot add any more packages to the shipment.

- You can also choose to print labels at the end when you CONFIRM the shipment. This feature is called Print-At-The-End (PATE).
Performing Pre-Ship Validation for Open Ship

You can verify a FedEx Express, FedEx Ground or FedEx Home Delivery shipment prior to label preparation and shipping to help ensure that all package and shipment information is correctly uploaded to FedEx.

Use the 020 Global Ship Request transaction with the following three fields to pre-validate an Open Ship.

**Table 4-2** Fields for Open Ship Pre-Ship Validation

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>FedEx Shipping Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Open Ship Flags</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>541</td>
<td>Max=9</td>
<td>A</td>
<td>I</td>
<td>FDXE*</td>
<td>US</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FDXG</td>
<td>INTL</td>
<td>For FDXE: IPD</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FDXS</td>
<td></td>
<td>IED</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*C.O.D.</td>
<td>IDF</td>
<td>TD</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>For FDXG: IGD</td>
<td>IGDD</td>
</tr>
<tr>
<td><strong>Open Ship Index</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>542</td>
<td>Max=9</td>
<td>N</td>
<td>I</td>
<td>FDXE*</td>
<td>US</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FDXG</td>
<td>INTL</td>
<td>For FDXE: IPD</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FDXS</td>
<td></td>
<td>IED</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*C.O.D.</td>
<td>IDF</td>
<td>TD</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>For FDXG: IGD</td>
<td>IGDD</td>
</tr>
</tbody>
</table>
Open Ship Pre-Ship Validation Fields

Transaction: 020 Global Ship Request - Single Shot, Open Ship MPS

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/ Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>184</td>
<td>Max=1</td>
<td>A</td>
<td>I</td>
<td>FDXE FDXG</td>
<td>Optional. Use this field to pre-validate shipping information prior to processing the shipping transaction. This can be used in Open Ship shipments or in a single transaction for FedEx Express and FedEx Ground shipping. Valid values are: Y—Data validated (for any shipping method, but for Open Ship after shipment is committed to the database) P—Data validated (for Open Ship only—before shipment is committed to database) N—Ships and label produced Use in conjunction with field 541 (Open Ship Flags) set to NNNNNNNN.</td>
</tr>
</tbody>
</table>
CREATE Open Ship Shipment Transaction

The first step in processing an Open Ship shipment is to create the shipment. This is achieved by coding a transaction string that includes the field 541 (Open Ship Flags) CREATE shipment flag (YNNNNNNNN).

After you CREATE a shipment, you can ADD one or more packages in additional transaction strings and continue to modify the shipment until you are ready to CONFIRM and ship.

The CREATE shipment function is indicated by setting the first position flag in field 541 (Open Ship Flags) to Y—requests FSMS to CREATE an Open Ship shipment.

Note: When position 1 flag is set to N, no shipment is created.

In your transaction string, this looks like: 541, "YNNNNNNNN".

Both field 541 (Open Ship Flags) and 542 (Open Ship Index) are required for the Open Ship CREATE shipment transaction using the 020 Global Ship Request transaction.

Table 4-3 lists the tasks required to create an Open Ship shipment and identifies which fields to use in a transaction to perform them. See “CREATE Open Ship Shipment” in this chapter for detailed information about these fields.

Table 4-3 CREATE Open Ship Shipment Fields

<table>
<thead>
<tr>
<th>Action</th>
<th>Field ID</th>
<th>Field Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transaction: 020 Global Ship Request</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>To create an Open Ship shipment</td>
<td>Field 541</td>
<td>Open Ship Flags</td>
<td>Set the first position of the Open Ship flag to Y. For example, YNNNNNNNN.</td>
</tr>
<tr>
<td>Use...</td>
<td>Field 541</td>
<td>Open Ship Flags</td>
<td>Contains a nine-digit flag that specifies the action(s) to be performed on the Open Ship shipment.</td>
</tr>
<tr>
<td>To distinguish an Open Ship shipment</td>
<td>Field 542</td>
<td>Open Ship Index</td>
<td>Assign an Open Ship index number to the shipment and include field 542 and this number in the CREATE shipment transaction and all subsequent transaction strings related to the shipment, as for example each time you add a package.</td>
</tr>
<tr>
<td>Use...</td>
<td>Field 542</td>
<td>Open Ship Index</td>
<td>The Open Ship index number is a unique number that you create and include in the CREATE Shipment transaction. You then use the number to identify which shipment to perform an ADD, EDIT or DELETE action against. The Open Ship Index value must be a unique number per Open Ship shipment per meter.</td>
</tr>
</tbody>
</table>
**CREATE Open Ship Shipment**

The Open Ship CREATE shipment transaction requires two fields:

- 541 – Open Ship flag set to position 1 (YNNNNNNNN)
- 542 – Shipment index number unique to the shipment to be created

Table 4-4 describes these two fields in detail.

*Table 4-4* Required Fields to CREATE an Open Ship Shipment

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input† Output</th>
<th>FedEx Shipping Service</th>
<th>FedEx Shipping Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>Open Ship Flags</strong></td>
</tr>
<tr>
<td>541</td>
<td>Max = 9</td>
<td>A</td>
<td>I</td>
<td></td>
<td></td>
<td><strong>Field Level</strong>: Shipment <strong>REQUIRED</strong>. Nine one-byte flags which are set to Y to indicate Open Ship function. Flag must be either Y or N; you cannot enter all Ns. To CREATE a shipment, set the 1st position of the flag to Y. For example, YNNNNNNNN requests to create an Open Ship shipment to which packages will be added. *Required for Open Ship.</td>
</tr>
</tbody>
</table>

|          |              |           |               |                         |                          | **Open Ship Index** |
| 542      | Max = 9      | N         | I             |                         |                          | **REQUIRED**. Set to the unique number passed in the CREATE transaction. The value is a unique number per Open Ship shipment per meter and represents the Open Ship Index. *Required for Open Ship. Note: Field 542 is not required if you are simultaneously performing a CREATE or ADD transaction. Examples of simultaneous transactions are: YYNNNNNNNN which performs a shipment level CREATE and Route/Time in Transit transaction or NYNNNNNNNN which performs a package level ADD and shipment level Route/Time in Transit together in the same transaction. |
Create an Open Ship Print-As-You-Go Shipment

Open Ship Print-As-You-Go (PAYG) shipping gives FedEx customers the ability to print labels as they CREATE, ADD and EDIT shipment pieces rather than waiting until the shipment is confirmed.

Open Ship Print-As-You-Go shipping is available for the following FedEx services:

- FedEx Express — U.S. Domestic (Package and Freight)
- FedEx Express C.O.D — U.S. Domestic
- FedEx Ground — U.S. Domestic

Note: Open Ship Print-As-You-Go (PAYG) is not available for International FedEx Express shipments.

Use the 020 Global Ship Request transaction with field 2600 to enable the Print-As-You-Go (PAYG) mode for your Open Ship shipment.

Table 4-5 Open Ship Print-As-You-Go (PAYG) Fields

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>FedEX Shipping Description</th>
</tr>
</thead>
</table>
ROUTE and Time-In-Transit Transaction

FedEx Ship Manager Server returns FedEx Express routing or FedEx Ground time-in-transit information for an Open Ship shipment in the 120 Global Ship Reply transaction.

To receive route or time-in-transit information, you must first enter the minimum required fields in a 020 Global Ship Request and enable FedEx to process the FedEx Express route or calculate the FedEx Ground transit time. For a list of minimum required fields, see “020/120 Global Ship Request/Reply Transaction” in the FedEx Ship Manager Server Transaction Coding Reference.

Table 4-6 describes the required fields to request FedEx routing or time-in-transit information.

**Table 4-6 Required Fields for Open Ship ROUTE or Time-in-Transit Information**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input</th>
<th>Output</th>
<th>FedEx Shipping Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>All</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Max=16</td>
<td>N</td>
<td>I</td>
<td></td>
<td>US INTL</td>
<td>Field Level: Shipment REQUIRED. Postal code for the city and state or province code of the Recipient address. For FedEx international shipments: Canada (CA), Puerto Rico (PR) and U.S. must always use valid postal codes. For a list of countries that use postal codes, see Appendix C in the Transaction Coding Reference.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>For FDXE: IPD IED IDF TD For FDXG: IGD IGDD TD</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>For FDXE: IPD IED IDF TD For FDXG: IGD IGDD TD</td>
<td></td>
</tr>
</tbody>
</table>
## Required Fields for ROUTE or Time-in-Transit Information for Open Ship

**Transaction: 020 Global Ship Request - Open Ship MPS**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>FedEx Shipping Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Meter Number</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>498</td>
<td>Min=7 Max=9</td>
<td>N</td>
<td>I</td>
<td>All</td>
<td>All</td>
<td>Field Level: Shipment REQUIRED* or Defaulted. Unique number assigned to a FedEx shipping account (used in each transaction to identify the revenue/shipping activity of a shipment). Defaults to the master meter number. *Required if the meter number is different than the meter number configured as the default. Note: If a one-to-one relationship exists between meter numbers and account numbers (in other words, there is no more than one meter number per account number), then the meter number or the account number alone may be used in the transaction. Note: In FedEx Ship Manager Server version 10.0.1, meter numbers are expanded to nine-digits in length. Your assigned meter number may be any length up to nine-digits.</td>
</tr>
</tbody>
</table>

| **Open Ship Flags** | | | | | | |
| 541 | Max=9 | A | I | All | US INTL For FDXE: IPD IED IDF TD For FDXG: IGD IGDD TD | Field Level: Shipment REQUIRED*. Nine one-byte flags which are set to Y to indicate Open Ship function. Flag must be either Y or N; you cannot enter all Ns. To ROUTE a shipment, set the 2nd position of the flag to Y. For example, NYNNNNNNN requests the FedEx Express routing or FedEx Ground time-in-transit information. *Required for Open Ship. |

| **Open Ship Index** | | | | | | |
| 542 | Max=9 | A | I | All | US INTL For FDXE: IPD IED IDF TD For FDXG: IGD IGDD TD | REQUIRED*. Set to the unique number passed in the CREATE transaction. The value is a unique number per Open Ship shipment per meter and represents the Open Ship Index. *Required for Open Ship. Note: Field 542 is not required if you are simultaneously performing a CREATE or ADD transaction. Examples of simultaneous transactions are: YYNNNNNNN which performs a shipment level CREATE and Routine/Time in Transit transaction or NNYNNNNNN which performs a package level ADD and shipment level Route/Time in Transit together in the same transaction. |
### Required Fields for ROUTE or Time-in-Transit Information for Open Ship

**Transaction: 020 Global Ship Request - Open Ship MPS**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input\Output</th>
<th>FedEx Shipping Service</th>
<th>FedEx Shipping Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1274</td>
<td>Min=2 Max=3</td>
<td>N</td>
<td>I</td>
<td>All</td>
<td>US</td>
<td>Field Level: Shipment REQUIRED.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>INTL</td>
<td>Service type provided by the shipper.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>For FDXE: IPD</td>
<td>Valid service types for Open Ship are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>IED</td>
<td>FedEx Express U.S.:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>IDF</td>
<td>01—FedEx Priority Overnight</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TD</td>
<td>03—FedEx 2Day</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>For FDXG: IGD</td>
<td>05—FedEx Standard Overnight</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>IGDD</td>
<td>06—FedEx First Overnight</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TD</td>
<td>20—FedEx Express Saver</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FedEx Ground U.S.:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>90—FedEx Home Delivery</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>92—FedEx Ground</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FedEx International Services (including U.S. export):</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>01—FedEx International Priority</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>03—FedEx International Economy</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>17—FedEx International Economy DirectDistribution Service</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>18—Fedex International Priority DirectDistribution</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>70—FedEx International Priority Freight</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>84—Fedex International Priority Direct Distribution Freight</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>121—Fedex International Ground Distribution (IGD)</td>
<td></td>
</tr>
</tbody>
</table>
RATE Open Ship Shipment Transaction

To request rates for an Open Ship shipment, use the 020 Global Ship Request transaction with the following two fields:

- 541—position 3 set to Y (NNYNNNNNN) which sets the flag to the shipment level "Rate the Shipment" function.
- 542—set to the unique number passed in the CREATE transaction.

Table 4-7 lists the fields required to code a RATE request for a FedEx Open Ship shipment using a 020 Global Ship Request transaction.

Table 4-7 Required Fields to RATE an Open Ship Shipment

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input\Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Open Ship Flags</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>541</td>
<td>Max = 9</td>
<td>A</td>
<td>I</td>
<td>FDXE FDXG</td>
<td>Field Level: Shipment REQUIRED*. Nine one-byte flags which are set to Y to indicate Open Ship function. Flag must be either Y or N; you cannot enter all Ns. To RATE a shipment, set the 3rd position of the flag to Y. For example, NNYNNNNNN requests the rate for the Open Ship shipment. *Required for Open Ship.</td>
</tr>
</tbody>
</table>

| **Open Ship Index** | | | | | |
| 542 | Max = 9 | N | I | FDXE FDXG | REQUIRED*. Set to the unique number passed in the CREATE transaction. The value is a unique number per Open Ship shipment per meter and represents the Open Ship Index. *Required for Open Ship. Note: Field 542 is not required if you are simultaneously performing a CREATE or ADD transaction. Examples of simultaneous transactions are: YNYNNNNNN which performs a shipment level CREATE and RATE transaction or NNYNNNNNN which performs a package level ADD and shipment level RATE together in the same transaction. |
ADD Piece Transaction

FedEx Ship Manager Server first creates a master Open Ship shipment and then allows you to add pieces (aka packages) to the "open" shipment.

You can add the first package to the shipment in the initial 020 Global Ship Request transaction when you CREATE the Open Ship shipment, or you can add it in a separate ADD piece 020 transaction. You must send a separate ADD piece transaction for each of your packages as you prepare your shipment throughout the day.

You can choose to print labels for packages as you ADD each package to the shipment, or you can wait until the shipment is confirmed and print labels at the end. Use the method that is most efficient for your shipping operation.

To ADD a piece (aka package) to an Open Ship shipment in a 020 Global Ship Request transaction, use the fields described in the following table.

Table 4-8 Required Fields to ADD Package to Open Ship Shipment

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>FedEx Shipping Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open Ship Flags</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>541</td>
<td>Max = 9</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>FDXG</td>
<td>Field Level: Package REQUIRED*. Nine one-byte flags which are set to Y to indicate Open Ship function. Flag must be either Y or N; you cannot enter all Ns. To ADD a package, set the 4th position of the flag to Y. For example, NNYNYYYYN requests to add a package to an Open Ship shipment. *Required for Open Ship.</td>
</tr>
<tr>
<td>Open Ship Index</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>542</td>
<td>Max = 9</td>
<td>N</td>
<td>I</td>
<td>FDXE</td>
<td>FDXG</td>
<td>REQUIRED*. Set to the unique number passed in the CREATE transaction. The value is a unique number per Open Ship shipment per meter and represents the Open Ship Index. *Required for Open Ship. Note: Field 542 is not required if you are simultaneously performing a CREATE or ADD transaction. Examples of simultaneous transactions are: YNNYNNNNN which performs a shipment level CREATE and Route/Time in Transit transaction or NYNNYNNNNN which performs a package level ADD and shipment level Route/Time in Transit together in the same transaction.</td>
</tr>
<tr>
<td>Field ID</td>
<td>Field Length</td>
<td>Data Type</td>
<td>Input/Output</td>
<td>FedEx Shipping</td>
<td>Service</td>
<td>Valid For</td>
</tr>
<tr>
<td>----------</td>
<td>--------------</td>
<td>-----------</td>
<td>--------------</td>
<td>----------------</td>
<td>---------</td>
<td>----------</td>
</tr>
<tr>
<td><strong>Recipient Country</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Packaging Type</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1273</td>
<td>Max=2</td>
<td>N</td>
<td>I</td>
<td>FDXE</td>
<td>All</td>
<td></td>
</tr>
<tr>
<td><strong>Service Type</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Package Weight

If you are shipping FedEx Express® or FedEx Ground® U.S. domestic packages, you are also required to pass field 1670 (Package Weight/Shipment Weight) in a transaction before you send the CONFIRM transaction. You must also include field 1670 in the initial ADD package transaction, but it is not required.

Table 4-9 Package Weight Field—Required before CONFIRM

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>FedEx Shipping Valid For</th>
<th>Description</th>
</tr>
</thead>
</table>
| 1670     | Max = 8.2    | A         | I            | All                     | All                      | Field Level: Shipment for all FedEx services **REQUIRED**.*  
Weight of package or shipment.  
*Required for U.S. domestic shipping (including FedEx Ground HazMat shipments) to specify individual package weights.  
FSMS will perform the weight summation and package count.  
*Required if field 1493 is Y.  
*Required to receive rate quotes.  
This weight field supports two implied decimals for ALL shipments and does not require any distinction between FedEx Express, FedEx Ground or FedEx International shipping.  
For U.S. Domestic Shipping:  
You must enter individual package weights only. FSMS performs the weight summation and package count. This method is optional for all FedEx International shipping including U.S. Export.  
For all FedEx International and intra-Canada Shipping:  
You may enter the total shipment weight rather than the individual package weights. If you enter the total shipment weight, you must also use field 116 (Package Total) to indicate the total number of packages in the shipment.  
Maximum weights allowed are:  
FedEx Express (non-Freight)—150 LBS  
FedEx Ground—150 LBS  
FedEx Home Delivery—70 LBS |

ADD Package to Open Ship Print-As-You-Go Shipment

To Add a package to a US Domestic Express or Ground shipment that has the Open Ship Print-As-You-Go (PAYG) option enabled, use the 020 Global Ship Request transaction and include this required field:

• 541—position 4 set to Y (NNNYYYYNNNN) which sets the flag to the package level “Add a Package” function.

Note: Field 2600 is not required.
**ADD Piece – Shipment and Package Level Fields**

When you ADD the first package to an Open Ship shipment, the fields that you pass in the initial ADD transaction may be applied to all subsequent packages you add to the shipment.

Other fields are applied at the package level and can be different for each package you ADD or EDIT in an Open Ship shipment. The table below lists fields that can differ from the shipment’s initial package.

*Table 4-10 Package Level Fields for ADD Package to Open Ship Shipment*

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>FedEx Shipping Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1670</td>
<td>Max = 8.2</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>FDXG</td>
<td>Package Weight/Shipement Weight</td>
</tr>
</tbody>
</table>

**Field Level**: Shipment for international and intra-Canada, Package for U.S. domestic.

**REQUIRED***:
- Weight of package or shipment.
- *Required for U.S. domestic shipping (including FedEx Ground HazMat shipments) to specify individual package weights.
- *FSMS will perform the weight summation and package count.
- *Required if field 1493 is Y.
- *Required to receive rate quotes.
- *This weight field supports two implied decimals for ALL shipments and does not require any distinction between FedEx Express, FedEx Ground or FedEx International shipping.
- **For U.S. Domestic Shipping:**
  - You must enter individual package weights only. FSMS performs the weight summation and package count. This method is optional for all FedEx International shipping including U.S. Export.
  - For all FedEx International and intra-Canada Shipping:
    - You may enter the total shipment weight rather than the individual package weights. If you enter the total shipment weight, you must also use field 116 (Package Total) to indicate the total number of packages in the shipment.
    - Maximum weights allowed are:
      - FedEx Express (non-Freight)—150 LBS
      - FedEx Ground—150 LBS
      - FedEx Home Delivery—70 LBS

*Maximum weights allowed are:*
### Package Level Fields for ADD Package/Piece

**Transaction: 020 Global Ship Request - Open Ship MPS**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>Max=39</td>
<td>A</td>
<td>I</td>
<td>FDXE FDXG</td>
<td><strong>Field Level</strong>: Package for all services except for FedEx Express international MPS which is shipment level. Optional. Use this field for optional notes (FedEx Express) and customer reference number CRN (FedEx Ground). For FedEx Express International MPS, this is a shipment-level field. For all other services, this field is a package-level field and must not be used if a shipment-level customer reference number (CRN) has been assigned in field 3003 (Shipment Customer Reference Information). If this field is used simultaneously with field 3003, then field 3003 is ignored. Package-level fields take precedence. This value prints on the FedEx Express shipping label, various reports, and the FedEx Express Shipper’s Declaration for Dangerous Goods 1421C form. This value also is displayed in the Customer Reference field on the FedEx Ground invoice.</td>
</tr>
</tbody>
</table>

### Declared Value/Carriage Value

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>69</td>
<td>Max=14.2</td>
<td>N</td>
<td>I</td>
<td>FDXE FDXG</td>
<td><strong>Field Level</strong>: Shipment for FedEx Express international shipments; Package for FedEx Express - U.S. domestic and FedEx Ground REQUIRED*. Total dollar amount declared or carriage value of the shipment. This field supports the 14.2 numeric format and has two implied decimal places. *Required for all U.S. shipments insured with FedEx. Values must contain only numeric characters (no commas, &quot;,,&quot; or &quot;]&quot;). Note: All currency fields for FedEx Express Freight must be in USD. When used to create/print a bill of lading (BOL) for FedEx Express Freight, declared value cannot exceed $100,000 USD. Note: Carriage Value cannot exceed the Customs Value. Note: If you need to use a 14.2 numeric format, use field 69 instead of field 26. See the FedEx Service Guide for allowable limits. Carriage value per package. For this shipment, use any method.</td>
</tr>
</tbody>
</table>

*Required for all U.S. shipments insured with FedEx.
# Package Level Fields for ADD Package/Piece

**Transaction: 020 Global Ship Request - Open Ship MPS**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>US C.O.D. only</td>
<td><strong>C.O.D. Flag</strong></td>
</tr>
</tbody>
</table>
| 27       | Max = 1      | A         | I            | FDXE FDXG      | *Field Level:* Shipment level for FedEx Express; Package level for FedEx Ground and FedEx SmartPost  
            REQUIRED*:  
            When set to Y, indicates that a package or shipment is being shipped Collect on Delivery (C.O.D.), and "C.O.D." prints in the box beside the recipient name on the bill of lading. Multiple-occurrence field.  
            *Required for C.O.D.  
            Valid values are:  
            Y—Package is C.O.D. at the shipment level for FedEx Express and at the package level for FedEx Ground.  
            N—Package is NOT sent C.O.D. (default)  
            S—Package is sent C.O.D. at the Shipment level for FedEx Ground. |

|          |              |           |              | All C.O.D. only | **C.O.D. Collect Amount** |
| 53       | Max=10.2     | N         | I            | FDXE FDXG      | *Field Level:* Shipment level for FedEx Express; Package level for FedEx Ground.  
            REQUIRED.  
            Amount of payment that must be collected upon delivery of the FedEx® Collect on Delivery (C.O.D.) package.  
            Maximum of $25,000 for FedEx Ground if guaranteed funds and maximum of $750 if cash.  
            Multiple-occurrence field. |

|          |              |           |              | All            | **Package Height** |
| 57       | Max=3        | N         | I            | FDXE FDXG      | *Field Level:* Package  
            REQUIRED*.  
            Height measurement per package.  
            No implied decimal places.  
            *Required for shipping FedEx Express Freight.  
            Recommended if using customer packaging to ensure accurate billing as dimensional weighting or oversize conditions may apply.  
            For FedEx SmartPost: field is optional; always enter in inches.  
            Minimum FedEx Express dimensions are in inches: 1” x 1” x 1” (L x W x H); or in centimeters:1 cm. x 1 cm. x 1 cm. (L x W x H).  
            See the FedEx Service Guide for service details related to Dim Weighting for FedEx Express and oversize conditions for FedEx Express and FedEx Ground.  
            Note: FSMS does not sort dimensions. For correct dimensional weight calculations, the longest dimension must be placed in field 59 (Package Length). |
## Package Level Fields for ADD Package/Piece

**Transaction: 020 Global Ship Request - Open Ship MPS**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input\Output</th>
<th>FedEx Shipping Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
</table>
| 58       | Max=3        | N         | I            | FDXE FDXG               | All       | **Field Level:** Package REQUIRED*.  
Width measurement per package.  
No implied decimal places.  
*Required for shipping FedEx Express Freight.  
Recommended if using customer packaging to ensure accurate billing as dimensional weighting or oversize conditions may apply.  
For FedEx SmartPost: field is optional; always enter in inches.  
Minimum FedEx Express dimensions are in inches: 1" x 1" x 1" (L x W x H); or in centimeters: 1 cm. x 1 cm. x 1 cm. (L x W x H).  
Note: FSMS does not sort dimensions. For correct dimensional weight calculations, the longest dimension must be placed in field 59 (Package Length). |

| 59       | Max=3        | N         | I            | FDXE FDXG               | All       | **Field Level:** Package REQUIRED*.  
Length measurement per package.  
No implied decimal places.  
*Required for shipping FedEx Express Freight.  
Recommended if using customer packaging to ensure accurate billing as dimensional weighting or oversize conditions may apply.  
For FedEx SmartPost: field is optional; always enter in inches.  
Minimum FedEx Express dimensions are in inches: 1" x 1" x 1" (L x W x H); or in centimeters: 1 cm. x 1 cm. x 1 cm. (L x W x H).  
Note: FSMS does not sort dimensions. For correct dimensional weight calculations, the longest dimension must be placed in field 59 (Package Length). |
### Package Level Fields for ADD Package/Piece

**Transaction: 020 Global Ship Request - Open Ship MPS**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1331</td>
<td>Max=1</td>
<td>A</td>
<td>I</td>
<td>All DG and HazMat service only</td>
<td>FDXE FDXG</td>
<td>Field Level: Shipment REQUIRED* Indicates dangerous goods (DG) and/or hazardous materials (HazMat) are contained in the shipment. *Required if shipping hazardous materials (hazmat) or dangerous goods ORM-D. Set to Q to indicate shipment contains EPRRQ commodity. Valid values are: A—Accessible Dangerous Goods (ADG) I—Inaccessible Dangerous Goods (IDG) E—Excepted Quantities Q—Excepted Package Radioactive Reportable Quantity (EPRRQ) Y—Shipment contains DG/HazMat N—Shipment contains no DG/HazMat Values are not case-sensitive. Note: Values are not case-sensitive; &quot;Q&quot; and &quot;q&quot; both indicate EPRRQ.</td>
</tr>
<tr>
<td>1684</td>
<td>Max=10.2</td>
<td>N</td>
<td>I</td>
<td>US CA</td>
<td>FDXE</td>
<td>REQUIRED* Specifies dry ice weight in the same unit of measure as the package weight (LBS or KGS). Two implied decimal places regardless of weight type.</td>
</tr>
</tbody>
</table>
## Additional Handling Surcharge

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3018</td>
<td>Max=1</td>
<td>A</td>
<td>I</td>
<td>FDXE FDXG</td>
<td>All</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Optional. Indicates nonstandard packaging is used. Nonstandard packaging is a container that meets one of these criteria: • Greater than 60” on any one side (not to exceed 108”) • Not fully enclosed/encased in an outer shipping container • Encased in an outer container made of metal, wood, hard plastic or foamed material Valid values are: Y—nonstandard packaging used N—standard packaging used (default) If you enter dimensions or dimensional criteria that are nonstandard, FSMS sets this flag to Y automatically.</td>
</tr>
</tbody>
</table>

## Package Purchase Order Number

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3056</td>
<td>Max=30</td>
<td>A</td>
<td>I</td>
<td>FDXE FDXG</td>
<td>Freight US CA INTL</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Field Level: Package Optional. When used to create/print a bill of lading (BOL), this prints in the Purchase Order # section of the BOL. Each additional BOL order number prints directly below each article description. Field 3056 is the only field that supplies the full set for the BOL. For Domestic FedEx Ground and International: this field prints the package purchase order number to a thermal label. For intra-U.S. and intra-CA, this is displayed on the FedEx Express laser and image labels. It is displayed in the Ref. #2 field on the FedEx Express invoice and P.O. # field on the FedEx Ground invoice. Note: This field is a package level field and should not be used if a shipment level purchase order number has been assigned in field 3001 (Shipment Purchase Order Number). If this field is used simultaneously with field 3001, then field 3001 is ignored. Package level fields take precedence.</td>
</tr>
</tbody>
</table>

## Package Invoice Number

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3057</td>
<td>Max=30</td>
<td>A</td>
<td>I</td>
<td>FDXE FDXG</td>
<td>US CA INTL</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Field Level: Package Optional. Prints the package invoice number on the thermal label. For intra-U.S. and intra-CA, this is displayed on the FedEx Express laser and image labels. It is displayed in the Ref. #3 field on the FedEx Express invoice. Field 3057 is a package level field and must not be used if a shipment level invoice number has been assigned in field 3002 (Shipment Invoice Number). If this field is used simultaneously with field 3002, then field 3002 is ignored. Package level fields take precedence.</td>
</tr>
</tbody>
</table>
## Returned ADD Piece Fields

The 120 Global Ship Reply to an Open Ship ADD package transaction includes the tracking number of the newly added package.

**Table 4-11** Returned Field for Add Piece to Open Ship Shipment

### ADD Piece/Package to Open Ship Shipment - Returned Field

**Transaction: 120 Global Ship Request - Open Ship MPS**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>Tracking Number</strong></td>
</tr>
<tr>
<td>29</td>
<td>Min=12</td>
<td>A</td>
<td>I/O</td>
<td>FDXE FDXG FDXS</td>
<td>REQUIRED*. Tracking number of the package or piece in a multiple-piece shipment (MPS).</td>
</tr>
<tr>
<td></td>
<td>Max=25</td>
<td></td>
<td></td>
<td></td>
<td>*Required in conjunction with field 541 to identify the package to ADD, EDIT or DELETE in an Open Ship 020/120 Global Ship transaction.</td>
</tr>
</tbody>
</table>
EDIT Piece Transaction

To edit information about a package in an Open Ship shipment, including the Master piece (first package added), you must include the fields listed in the following table in a 020 Global Ship Request transaction.

Table 4-12 EDIT Piece Open Ship Fields

<table>
<thead>
<tr>
<th>Action</th>
<th>Field ID</th>
<th>Field Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>Transaction: 020 Global Ship Request</strong></td>
</tr>
<tr>
<td>To edit a piece in a shipment</td>
<td>Field 541</td>
<td>Open Ship Flags</td>
<td>Set position 5 to Y (NNNYNNNNN) which sets the flag at the package level to the EDIT package function.</td>
</tr>
<tr>
<td>Use...</td>
<td></td>
<td></td>
<td>Contains a nine-digit flag that specifies the action(s) is to be performed on the Open Ship shipment.</td>
</tr>
<tr>
<td>To distinguish an Open Ship shipment</td>
<td>Field 542</td>
<td>Open Ship Index</td>
<td>Include the Open Ship index number that you assigned to the shipment when you created it.</td>
</tr>
<tr>
<td>Use...</td>
<td></td>
<td></td>
<td>The Open Ship index number is a unique number that you specify in the CREATE shipment transaction. You then use the number to identify which shipment to perform the EDIT action against. The Open Ship Index value must be a unique number per Open Ship shipment per meter.</td>
</tr>
<tr>
<td>To specify tracking number for the piece</td>
<td>Field 29</td>
<td>Tracking Number</td>
<td>Enter the package tracking number to ensure the correct piece gets edited in the Open Ship shipment.</td>
</tr>
<tr>
<td>Use...</td>
<td></td>
<td></td>
<td>Tracking number of the package or piece in a multiple-piece shipment (MPS).</td>
</tr>
</tbody>
</table>

Note: Editing an Open Ship PAYG shipment results in different label printing and tracking behaviors. See the following topics for details.
**EDIT Piece Fields**

The following table lists the minimum fields required to EDIT a package that has been added to an Open Ship shipment using the 020 Global Ship Request transaction.

*Table 4-13 Required Fields to EDIT an Open Ship Package*

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>FedEx Shipping Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>Open Ship Flags</strong></td>
</tr>
<tr>
<td>541</td>
<td>Max = 9</td>
<td>A</td>
<td>I</td>
<td>FDXE* FDXG FDXS</td>
<td>All</td>
<td>Field Level: Package REQUIRED*. Nine one-byte flags which are set to Y to indicate Open Ship function. Flag must be either Y or N; you cannot enter all Ns. To EDIT a package, set the 5th position of the flag to Y. For example, <strong>NNNNYN</strong>NNNN requests to edit a package that was previously added to an Open Ship shipment. *Required for Open Ship.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>Open Ship Index</strong></td>
</tr>
<tr>
<td>542</td>
<td>Max = 9</td>
<td>N</td>
<td>I</td>
<td>FDXE* FDXG FDXS</td>
<td>All</td>
<td>REQUIRED*. Set to the unique number passed in the CREATE transaction. The value is a unique number per Open Ship shipment per meter and represents the Open Ship Index. *Required for Open Ship. Note: Field 542 is not required if you are simultaneously performing a CREATE or ADD transaction. Examples of simultaneous transactions are: YYNNNNNNN which performs a shipment level CREATE and Route/Time in Transit transaction, or NNNYNNNNN which performs a package level ADD and shipment level Route/Time in Transit together in the same transaction.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>Tracking Number</strong></td>
</tr>
<tr>
<td>29</td>
<td>Min=12</td>
<td>A</td>
<td>I/O</td>
<td>FDXE* FDXG FDXS</td>
<td>All</td>
<td>REQUIRED*. Tracking number of the package or piece in a multiple-piece shipment (MPS). *Required in conjunction with field 541 to identify the package to ADD, EDIT or DELETE in an Open Ship 020/120 Global Ship transaction.</td>
</tr>
<tr>
<td></td>
<td>Max=25</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>EDIT Package Open Ship Fields</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>Transaction: 020 Global Ship Request - Open Ship MPS</strong></td>
</tr>
</tbody>
</table>

*Note: Field 542 is not required if you are simultaneously performing a CREATE or ADD transaction."
Domestic Express or Ground PAYG—Editing an Open Ship Piece

For FedEx Express U.S. C.O.D. PAYG pieces, you can edit a piece (aka package) in an Open Ship shipment prior to a CONFIRM transaction. To do this, you must set field 541 to Y in the 6th position (NNNNNYNNN) which sets the flag to the shipment level EDIT function. FedEx Ship Manager Server prints new labels for all pieces that you edit in this way and preserves the tracking numbers. Printed labels use the Label Type and Printer ID assigned to the Master piece, which is the original CREATE, ADD or EDIT piece.

About FedEx Express C.O.D. PAYG Sequence and Tracking Numbers

When you edit or delete a FedEx Express U.S. C.O.D. PAYG shipment prior to a CONFIRM shipment, the 120 Global Ship Reply transaction returns a new Master tracking number in field 1123 (Master Tracking Number), and a package level tracking number in multiple occurrence in field 29. Field 116 (Package Total) returns the total number of pieces in the shipment.

All new labels are generated with new sequence numbers. The new sequence numbers reflect the new sequence position of the package. For example, the 5th package added out of a total of 5 pieces in a shipment is given the new sequence number 5-5, indicating it is the 5th of a total of 5 packages.
EDIT Open Ship Shipment Transaction

Use the 020 Global Ship Request transaction with the following two fields to EDIT shipment level data for an Open Ship shipment:

- 541—position 6 set to Y (NNNNYNNN) which sets the flag to the shipment level “Edit the Shipment”
  - function.
- 542—set to the unique number passed in the CREATE transaction.

When you CREATE an Open Ship shipment, send all common shipment level information in the original Open Ship CREATE transaction. Next, add information unique to each package with every new ADD package Open Ship transaction. This method eliminates duplication of existing data and increases the processing speed of the transaction.

EDIT Shipment Fields

The following table lists the fields required to use the 020 Global Ship Request transaction to EDIT an Open Ship shipment.

Table 4-14 Required Fields to EDIT an Open Ship Shipment

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input\Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Field Level: Shipment REQUIRED*.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Nine one-byte flags which are set to Y to indicate Open Ship function. Flag must be either Y or N; you cannot enter all Ns.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>To EDIT a shipment, set the 6th position of the flag to Y.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>For example, NNNNYNNN requests to add or edit data for an Open Ship shipment.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*Required for Open Ship.</td>
</tr>
</tbody>
</table>

Open Ship Flags

<table>
<thead>
<tr>
<th>541</th>
<th>Max = 9</th>
<th>A</th>
<th>I</th>
<th>FDXE</th>
<th>FDXG</th>
<th>All</th>
<th>Field Level: Shipment REQUIRED*.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Nine one-byte flags which are set to Y to indicate Open Ship function. Flag must be either Y or N; you cannot enter all Ns.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>To EDIT a shipment, set the 6th position of the flag to Y.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>For example, NNNNYNNN requests to add or edit data for an Open Ship shipment.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*Required for Open Ship.</td>
</tr>
</tbody>
</table>

Open Ship Index

<table>
<thead>
<tr>
<th>542</th>
<th>Max = 9</th>
<th>N</th>
<th>I</th>
<th>FDXE</th>
<th>FDXG</th>
<th>All</th>
<th>REQUIRED*.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Set to the unique number passed in the CREATE transaction. The value is a unique number per Open Ship shipment per meter and represents the Open Ship Index.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*Required for Open Ship.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Note: Field 542 is not required if you are simultaneously performing a CREATE or ADD transaction.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Examples of simultaneous transactions are: YYYNYNNNN which performs a shipment level CREATE and Route/Time in Transit transaction or NYNYNNNNN which performs a package level ADD and shipment level Route/Time in Transit together in the same transaction.</td>
</tr>
</tbody>
</table>
DELETE Piece Transaction

There are two ways to delete a package from an Open Ship shipment:

- DELETE the piece before you CONFIRM using the 020 Global Ship Request transaction
- Delete the piece after you CONFIRM using the 023 Global Delete Request transaction

For more information about deleting a package in an Open Ship shipment, see the following topics.

DELETE Piece—Prior To CONFIRM

Use the 020 Global Ship Request transaction with the following fields to specify deletion of a package from an Open Ship shipment prior to sending a CONFIRM transaction:

- 541—position 7 set to Y (NNNNNNYNN) which sets the flag to the package level DELETE piece function.
- 542—set to the unique number passed in the Open Ship Create transaction.
- 29—enter the tracking number of the package to delete.
- 1274—specify the code for the FedEx Service you plan to use to ship.

Table 4-15 provides instructions for using these fields.

Table 4-15  Delete Piece Before CONFIRM

<table>
<thead>
<tr>
<th>Action</th>
<th>Field ID</th>
<th>Field Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transaction: 020 Global Ship Request</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>To DELETE a piece from a shipment</td>
<td>Field 541</td>
<td>Open Ship Flags</td>
<td>Set the 7th position of the Open Ship flag to Y. For example, NNNNNNYNN sets the flag to the package-level DELETE piece function.</td>
</tr>
<tr>
<td>Use…</td>
<td>Field 541</td>
<td>Open Ship Flags</td>
<td>Contains a nine-digit flag that specifies the action(s) is to be performed on the Open Ship shipment.</td>
</tr>
<tr>
<td>To identify a specific Open Ship shipment</td>
<td>Field 542</td>
<td>Open Ship Index</td>
<td>Include the Open Ship index number that you assigned to the shipment when you created it. You must include this number to ensure that the package is deleted from the correct shipment.</td>
</tr>
<tr>
<td>Use…</td>
<td>Field 542</td>
<td>Open Ship Index</td>
<td>The Open Ship index number is a unique number that you specify in the CREATE Shipment transaction. You then use the number to identify which shipment to perform the DELETE action against. The Open Ship Index value must be a unique number per Open Ship shipment per meter.</td>
</tr>
<tr>
<td>To specify tracking number for the piece</td>
<td>Field 29</td>
<td>Tracking Number</td>
<td>Enter the package tracking number to ensure the correct piece gets deleted from the Open Ship shipment.</td>
</tr>
<tr>
<td>Use…</td>
<td>Field 29</td>
<td>Tracking Number</td>
<td>Tracking number of the package or piece in a multiple-piece shipment (MPS). Required in conjunction with field 541 to identify the package to ADD, EDIT or DELETE.</td>
</tr>
<tr>
<td>To specify the FedEx shipping service to use for the package</td>
<td>Field 1274</td>
<td>Service Type</td>
<td>Enter the code number for the service to use to ship the package. See “FedEx Services with Open Ship” in this chapter for a list of services you can use when shipping an Open Ship shipment.</td>
</tr>
<tr>
<td>Use…</td>
<td>Field 1274</td>
<td>Service Type</td>
<td>Service type provided by the shipper. See the description of field 1274 in Table 4-22 for a list of valid service types for Open Ship.</td>
</tr>
</tbody>
</table>
Delete Piece—After CONFIRM

To delete an Open Ship Shipment after you CONFIRM the shipment but before you close it, use the 023 Global Delete Request transaction and field 1123 (Master Tracking Number) with a valid Master tracking number.

Table 4-16 To Delete Piece After CONFIRM

<table>
<thead>
<tr>
<th>Action</th>
<th>Field ID</th>
<th>Field Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>To identify the package you want to delete</td>
<td>Include the master tracking number assigned to the package in the transaction.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Use...</td>
<td>Field 1123</td>
<td>Master Tracking Number</td>
<td>Master tracking number assigned by FedEx to the package. This number accompanies all MPS or child packages within the shipment.</td>
</tr>
</tbody>
</table>

DELETE Piece Fields

To delete an entire Open Ship shipment prior to a CONFIRM transaction, you must submit a 020 Global Ship Request transaction that passes the fields listed in the following table.

Table 4-17 Required Fields to DELETE an Open Ship Shipment

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input\Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open Ship Flags</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Field Level: Package REQUIRED*. Nine one-byte flags which are set to Y to indicate Open Ship function. Flag must be either Y or N; you cannot enter all Ns. To DELETE a package, set the 7th position of the flag to Y. For example, NNNNNYNN requests to delete a package from an Open Ship shipment. *Required for Open Ship.</td>
</tr>
</tbody>
</table>

541 | Max = 9 | A | I | FDXE* FDXG FDXS "includes C.O.D. US INTL For FDXE: IPD IED IDF TD For FDGX: IGD IGDD TD | |
### DELETE an Open Ship Shipment

**Transaction: 020 Global Ship Request - Open Ship MPS**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>542</td>
<td>Max = 9</td>
<td>N</td>
<td>I</td>
<td>FDXE*</td>
<td>REQUIRED*.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FDXG</td>
<td>Set to the unique number passed in the CREATE transaction. The value is a unique number per Open Ship shipment per meter and represents the Open Ship Index. *Required for Open Ship. Note: Field 542 is not required if you are simultaneously performing a CREATE or ADD transaction. Examples of simultaneous transactions are: YYNNNNNNN which performs a shipment level CREATE and Route/Time in Transit transaction or NNYNNNNNNN which performs a package level ADD and shipment level Route/Time in Transit together in the same transaction.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FDXS</td>
<td>*Required in conjunction with field 541 to identify the package to ADD, EDIT or DELETE in an Open Ship 020/120 Global Ship transaction.</td>
</tr>
</tbody>
</table>

**Tracking Number**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>Service</th>
<th>Valid For</th>
</tr>
</thead>
<tbody>
<tr>
<td>29</td>
<td>Min=12</td>
<td>A</td>
<td>I/O</td>
<td>FDXE</td>
<td>All</td>
</tr>
<tr>
<td></td>
<td>Max=25</td>
<td></td>
<td></td>
<td>FDXG</td>
<td>All</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FDXS</td>
<td>All</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Service Type**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>Service</th>
<th>Valid For</th>
</tr>
</thead>
<tbody>
<tr>
<td>1274</td>
<td>Min=2</td>
<td>N</td>
<td>I</td>
<td>FDXE</td>
<td>All</td>
</tr>
<tr>
<td></td>
<td>Max=3</td>
<td></td>
<td></td>
<td>FDXG</td>
<td>All</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FDXS</td>
<td>All</td>
</tr>
</tbody>
</table>

**FedEx Shipping**

**Valid For**

- FDXE
- FDXG
- FDXS

**Service Type**

- FedEx Express U.S.:
  - 01—FedEx Priority Overnight
  - 03—FedEx 2Day
  - 05—FedEx Standard Overnight
  - 06—FedEx First Overnight
  - 20—FedEx Express Saver
- FedEx Ground U.S.:
  - 90—FedEx Home Delivery
  - 92—FedEx Ground
- FedEx International Services (including U.S. export):
  - 01—FedEx International Priority
  - 03—FedEx International Economy
  - 70—FedEx International Priority Freight
  - 121—FedEx International Ground Distribution (IGD)
DELETE Shipment Transaction

To delete an entire Open Ship shipment prior to a CONFIRM transaction, you must submit a 020 Global Ship Request transaction that passes the required field 541 (Open Ship Flags) with position set to 8 and field 542 (Open Ship Index).

To delete an Open Ship Shipment after you CONFIRM the shipment but before you close it, use the 023 Global Delete Request transaction and field 1123 (Master Tracking Number) with a valid Master tracking number.

The DELETE shipment function is indicated by setting the position 8 flag in field 541 (Open Ship Flags) to Y—requests FSMS to DELETE an Open Ship shipment.

Note: When position 8 flag is set to N, no shipment is deleted.

In your transaction statement, this looks like: 541, "NNNNNNNYN".

Both field 541 (Open Ship Flags) and 542 (Open Ship Index) are required for the Open Ship DELETE shipment transaction using the 020 Global Ship Request transaction.

Table 4-18 DELETE Open Ship Shipment Fields

<table>
<thead>
<tr>
<th>Action</th>
<th>Field ID</th>
<th>Field Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>To create an Open Ship shipment</td>
<td>Field 541</td>
<td>Open Ship Flags</td>
<td>Set the eighth (8) position of the Open Ship flag to Y. For example, NNNNNNNYN.</td>
</tr>
<tr>
<td>Use…</td>
<td>Field 542</td>
<td>Open Ship Index</td>
<td>Assign an Open Ship index number to the shipment and include field 542 and this number in the DELETE shipment transaction.</td>
</tr>
<tr>
<td>To distinguish an Open Ship shipment</td>
<td></td>
<td></td>
<td>The Open Ship index number is a unique number that you create and include in the CREATE Shipment transaction. You then use the number to identify which shipment to perform an ADD, EDIT or DELETE action against. The Open Ship Index value must be a unique number per Open Ship shipment per meter.</td>
</tr>
</tbody>
</table>
DELETE Open Ship Shipment Fields

When you delete an Open Ship shipment prior to a CONFIRM, you must specify the Open Ship index assigned to the shipment when it was created. FedEx Ship Manager Server identifies which shipment to delete based on the index identifier you supply.

Use a 020 Global Ship Request transaction to pass field 541 (Open Ship Flags) with position 8 (DELETE shipment) set to \textbf{Y} and field 542 (Open Ship Index).

If you need to delete a shipment after a CONFIRM, you must pass field 29 (Tracking Number) with the master tracking number returned when the shipment was created.

*\textbf{Table 4-19} Fields for Deleting an Open Ship Shipment*

### Fields for DELETE of Open Ship Shipment

#### Transaction: 020 Global Ship Request - Open Ship MPS

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FedEx Service</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FedEx Valid For</td>
</tr>
<tr>
<td>Open Ship Flags</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>541</td>
<td>Max=9</td>
<td>A</td>
<td>I</td>
<td>FDXE* FDXG FDXS</td>
<td>Field Level: Shipment REQUIRED*. Nine one-byte flags which are set to \textbf{Y} to indicate Open Ship function. Flag must be either \textbf{Y} or \textbf{N}; you cannot enter all \textbf{N}s. To DELETE a shipment, set the 8th position of the flag to \textbf{Y}. For example, NNNNNNNYN requests to delete an Open Ship shipment. *Required for Open Ship.</td>
</tr>
</tbody>
</table>

| Open Ship Index | | | | | |
| 542            | Max=9        | N         | I            | FDXE* FDXG FDXS | REQUIRED*. Set to the unique number passed in the CREATE transaction. The value is a unique number per Open Ship shipment per meter and represents the Open Ship Index. *Required for Open Ship. Note: Field 542 is not required if you are simultaneously performing a CREATE or ADD transaction. Examples of simultaneous transactions are: YYNNNNNN which performs a shipment level CREATE and Route/Time in Transit transaction, or NYYYN which performs a package level ADD and shipment level Route/Time in Transit together in the same transaction. |

| Tracking Number | | | | | |
| 29              | Min=12 Max=25 | A   | I/O | FDXE FDXG FDXS | REQUIRED*. Tracking number of the package or piece in a multiple-piece shipment (MPS). *Required in the 023 Global Delete transaction to identify the package to delete. |
Deleting an Entire Shipment Prior to CONFIRM of Shipment

If you want to delete an entire Open Ship shipment prior to CONFIRM of the shipment, you must use 020 Global Ship Request transaction with the field 541 (Open Ship Flags) DELETE shipment function flagged.

**To delete the entire shipment prior to CONFIRM**

1. Create a 020 Global Ship Request transaction.
2. Set field 541 (Open Ship Flags) position 8 (DELETE a Shipment) to ‘Y’, NNNNNNNYN.
3. Pass in value for field 542 (Open Ship Index) to identify which Open Ship shipment to delete.
4. Pass in the master Tracking Number generated in field 29 during the Open Ship CREATE shipment transaction.

Deleting an MPS Shipment Prior to CONFIRM of Shipment

If you want to delete a multiple-piece shipment (MPS) prior to CONFIRM, you must use the 020 Global Ship Request transaction and field 541 (Open Ship Flags) DELETE shipment function flagged.

**To delete the entire MPS shipment only (not any other pieces) prior to CONFIRM**

1. Create a 020 Global Ship Request transaction.
2. Set field 541 position 8 (Delete a Shipment) to ‘Y’; for example, 541,"NNNNNNYN".
3. Pass in the FIRST tracking number generated from the Single Shot IPD/IDF MPS transaction in field 1123 as if it were the Master Tracking Number.

Deleting a Single Piece Shipment Prior to CONFIRM of Shipment

If you want to delete a single piece of a shipment prior to CONFIRM, you must use the 020 Global Ship Request transaction with the field 541 (Open Ship Flags) DELETE piece function flagged.

**To delete the Single Piece from Open Shipment prior to CONFIRM**

1. Create a 020 Global Ship Request transaction.
2. Set field 541 position 7 (Delete a Piece) to ‘Y’; for example, 541,"NNNNNNYN".
3. Pass in the individual tracking number in field 29 generated during the Open Ship ADD Piece transaction.

Deleting the Entire Shipment After CONFIRM

If you want to delete the entire Open Ship shipment after CONFIRM before CLOSE, you must use the 023 Global Delete Request transaction.

**To delete the ENTIRE shipment AFTER CONFIRM BEFORE CLOSE**

1. Create a 023 Global Delete Request transaction.
2. Pass in the master tracking number in field 29 generated during the CREATE shipment transaction.
Deleting an Open Ship PAYG Shipment

You can delete any Open Ship PAYG Shipment prior to an Open Ship CONFIRM shipment transaction. You may delete a piece of a Domestic Express (including Express C.O.D.) and Ground Open Ship PAYG shipment after a CONFIRM shipment transaction, but you cannot delete the shipment.

Use the 023 Global Delete Request transaction to delete any piece in a shipment after a CONFIRM.

Deleting FedEx Express C.O.D. Shipment

New labels, when requested, are printed for Express C.O.D. shipments after the DELETE pieces transaction completes. The new labels will print new tracking and sequence numbers.

Express C.O.D. Tracking and Sequence Numbers

New Master and child tracking numbers are assigned for Express C.O.D. shipments and packages when a piece is deleted prior to a CONFIRM transaction.

If the Master package is deleted, the Master tracking number is reassigned to the next deleted package in sequence in the shipment. All sequence numbers are decreased by the number of deleted packages.

For example, if the original sequence is 1-3, 2-3, 3-3, and the third piece is deleted prior to a CONFIRM, the revised sequence numbers are 1-2, 2-2.

The 120 Global Ship Reply transaction returns a new Master tracking number in field 1123, and a package level tracking number in multiple occurrence in field 29. Field 116 returns the total number of pieces in the shipment.

Note: For all Open Ship PAYG shipments, you cannot edit a piece or edit a shipment after a CONFIRM transaction.
CONFIRM Piece and Print Label

For FedEx Express and FedEx Ground Open Ship U.S. domestic shipments only, you may CONFIRM an individual package in the shipment and print the label before you CONFIRM the entire shipment. Use a 020 Global Ship Request transaction that includes the fields in the following table.

**Table 4-20** CONFIRM Piece and Print Label Fields

<table>
<thead>
<tr>
<th>Action</th>
<th>Field ID</th>
<th>Field Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>To confirm a piece in an Open Ship shipment</td>
<td>Field 541</td>
<td>Open Ship Flags</td>
<td>Contains a nine-digit flag that specifies the action(s) to be performed on the Open Ship shipment.</td>
</tr>
<tr>
<td>Use…</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>To specify tracking number for the piece</td>
<td>Field 29-#</td>
<td>Tracking Number</td>
<td>Tracking number of the piece in a multiple-piece shipment (MPS).</td>
</tr>
<tr>
<td>Use…</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transaction: 020 Global Ship Request</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Please note the following when creating a CONFIRM Piece transaction:

- Do not code field 542 (Open Ship Index) in an Open Ship CONFIRM transaction; if you do, the entire shipment will be confirmed.
- Enter the required printer information into fields 187 (Label Format Value/Printer Type Indicator), 537 (Thermal Printer Identifier/Label Buffer File Path) and 1282 (Printer Type Indicator) if you are not using the default configuration printer.
- An Open Ship shipment (non-PAYG) must have at least one package at all times prior to CONFIRM. If a package is confirmed and is the only package in the shipment, the entire shipment is confirmed and you can not add any more packages to the shipment.
- A CONFIRM piece transaction prior to a CONFIRM shipment is allowed only for FedEx Express and FedEx Ground U.S. services. It is not supported for FedEx Express U.S. C.O.D. packages.

**Steps for Package CONFIRM**

To print and CONFIRM packages (aka pieces) and maintain the ability to add more packages, perform the following recommended steps:

1. CREATE the Open Ship shipment and ADD one piece (Package A).
2. ADD a second piece (Package B).
3. CONFIRM the first piece (Package A).
4. ADD the third piece (Package C).
5. CONFIRM the second piece (Package B).
6. ADD the fourth piece (Package D).
7. CONFIRM the third piece (Package C).
8. Continue adding and confirming pieces until the shipment is complete.
9. CONFIRM the shipment.

Note: For Open Ship Print-As-You-Go (PAYG) shipments, you must CONFIRM the shipment.
## CONFIRM Package Fields

Table 4-21 lists the minimum fields required to complete a basic 020 Global Ship Request transaction for a FedEx Express U.S. or Freight shipment.

**Table 4-21** Required Fields to CONFIRM a Piece in a Shipment

### CONFIRM Piece in an Open Ship Shipment

**Transaction: 020 Global Ship Request - Open Ship MPS**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open Ship Flags</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| 541 | Max=9 | A | I | FDXE* FDXG FDXS | US INTL For FDXE: IPD IED IDF TD For FDXS: IGD IGDD TD | Field Level: Package 
REQUIRED*. 
Nine one-byte flags which are set to Y to indicate Open Ship function. Flag must be either Y or N. 
To CONFIRM a package (aka piece), set the 9th position of the flag to Y. 
For example, **NNNNNNNY** requests to confirm a package in an Open Ship shipment. The shipment must contain more than one package, otherwise the entire shipment is confirmed. 
*Required for Open Ship |
| Tracking Number | | | | | | |
| 29# | Min=12 Max=25 | A | I/O | FDXE* FDXG FDXS | All | REQUIRED* 
Tracking number of the package(s) for which you want to print the label. 
*Required in conjunction with field 541 (Open Ship Flags). |
CONFIRM Piece and Shipment Transactions

An Open Ship shipment (non-PAYG) must have at least one package at all times prior to CONFIRM. If a package is confirmed and is the only package in the shipment, the entire shipment is confirmed and you cannot add any more packages to the shipment.

To print and CONFIRM packages and maintain the ability to add more packages, perform the following recommended procedure:

1. CREATE shipment (and ADD Piece #1)
2. ADD Piece #2
3. CONFIRM Piece #1
4. ADD Piece #3
5. CONFIRM Piece #2
6. ADD Piece #4
7. CONFIRM Piece #3
8. ADD Piece #X
9. CONFIRM Piece #X
10. CONFIRM Shipment

Note: For Open Ship Print-as-You-Go shipments, you must confirm the shipment.

A "Confirm package" transaction prior to a CONFIRM shipment is allowed only for FedEx Express U.S. and FedEx Ground U.S. services and not supported for FedEx Express U.S. C.O.D. packages.
**CONFIRM Open Ship Shipment Fields**

After you add all packages to an Open Ship shipment, and the appropriate information has been passed, you may CONFIRM the shipment by passing in the fields in the following table in a 020 Global Ship Request transaction.

In addition, include field 187 (Label Format Value), field 537 (Thermal Printer ID) or field 544 (Laser Printer ID), and field 1282 (Printer Type Indicator) if you are using a printer other than the configured default printer.

*Table 4-22* Required Fields to CONFIRM an Open Ship Shipment

### CONFIRM an Open Ship Shipment

*Transaction: 020 Global Ship Request*

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>Open Ship Flags</strong></td>
</tr>
<tr>
<td>541</td>
<td>Max = 9</td>
<td>A</td>
<td>I</td>
<td>FDXE*</td>
<td><strong>Field Level:</strong> Shipment REQUIRED*. Nine one-byte flags which are set to Y to indicate Open Ship function. Flag must be either Y or N; you cannot enter all Ns. To CONFIRM a shipment, set the 9th position of the flag to Y. For example, NNNNNNNNY requests to confirm an Open Ship shipment to which you’ve added at least one package. *Required for Open Ship.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FDXG</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*C.O.D.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>US</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>INTL</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>For FDXE:</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>IPD</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>IED</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>IDF</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TD</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>For FDXG:</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>IGD</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>IGDD</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TD</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>Open Ship Index</strong></td>
<td></td>
</tr>
<tr>
<td>542</td>
<td>Max = 9</td>
<td>N</td>
<td>I</td>
<td>FDXE*</td>
<td>*<em>REQUIRED</em>. Set to the unique number passed in the CREATE transaction. The value is a unique number per Open Ship shipment per meter and represents the Open Ship Index. *Required for Open Ship. Note: Field 542 is not required if you are simultaneously performing a CREATE or ADD transaction. Examples of simultaneous transactions are: YYNNNNNNN which performs a shipment level CREATE and Route/Time in Transit transaction or NYNYNNNNN which performs a package level ADD and shipment level Route/Time in Transit together in the same transaction.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FDXG</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FDXS</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*includes C.O.D.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>US</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>INTL</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>For FDXE:</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>IPD</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>IED</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>IDF</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TD</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>For FDXG:</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>IGD</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>IGDD</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TD</td>
<td></td>
</tr>
</tbody>
</table>
CONFIRM an Open Ship Shipment

Transaction: 020 Global Ship Request

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1274</td>
<td>Min=2</td>
<td>N</td>
<td>I</td>
<td>FDXE</td>
<td>FDXG</td>
</tr>
</tbody>
</table>

**Service Type**  

Field Level: Shipment
Optional.
Service type provided by the shipper.
Valid service types for Open Ship are:
FedEx Express U.S.:
01—FedEx Priority Overnight
03—FedEx 2Day
05—FedEx Standard Overnight
06—FedEx First Overnight
20—FedEx Express Saver
FedEx Ground U.S.:
90—FedEx Home Delivery
92—FedEx Ground
FedEx International Services (including U.S. export):
01—FedEx International Priority
03—FedEx International Economy
17—FedEx International Economy DirectDistribution Service
18—FedEx International Priority DirectDistribution
70—FedEx International Priority Freight
84—FedEx International Priority Direct Distribution Freight
121—FedEx International Ground Distribution (IGD)
Confirming Open Ship and Printing Labels

To confirm an Open Ship PAYG shipment, use the 020 Global Ship Request transaction with the field 541 position 9 set to \( Y \) (NNNNNNNY). This action sets the flag for the shipment level “Confirm Shipment” function.

If you selected to print labels as you added packages, all labels for pieces in the shipment should already be printed; no additional piece labels are printed.

If you selected to print labels after adding all packages, a label for each piece is returned and prints as a result of the CONFIRM transaction.

For U.S. domestic shipments only, you may CONFIRM an individual package of an Open Ship shipment and print the label before you confirm the whole shipment by sending a CONFIRM Piece transaction. Use a 020 Global Ship Request transaction that includes the field 541 (Open Ship Flags) and 29 (Tracking Number).

For FedEx Express U.S. C.O.D. shipments, a C.O.D. Return Label is printed with the last package in the shipment.

Open Ship Print Options

Open Ship has two print label options:

- Print-At-The-End (PATE)—print all labels at the end after the shipment is confirmed.
- Print-As-You-Go (PAYG)—print labels for each piece as you need them without waiting until the shipment is confirmed.

Both options are explained further below. For information about FSMS labels, see Chapter 3: FedEx Ship Manager Server Label and Form Transactions.

Open Ship Print-At-The-End

You can choose to print labels for packages in your Open Ship shipment at the end, when you CONFIRM the shipment.

For U.S. Domestic shipments only, you may CONFIRM an individual package of an Open Ship shipment and print the label before you confirm the whole shipment by sending a CONFIRM Piece transaction. Use a 020 Global Ship Request transaction that includes the field 541 (Open Ship Flags) and 29 (Tracking Number).

Please note the following when creating a CONFIRM Piece transaction:

- Do not code field 542 in an Open Ship CONFIRM transaction; if you do, the entire shipment will be confirmed.
- Enter the required printer information into fields 187 (Label Format Value/Printer Type Indicator), 537 (Thermal Printer Identifier/Label Buffer File Path), and 1282 (Printer Type Indicator) if you are not using the default configuration printer.

Open Ship Print-As-You-Go

Open Ship Print-As-You-Go (PAYG) shipping gives FedEx customers the ability to print labels as they CREATE, ADD and EDIT shipment pieces rather than waiting until they CONFIRM the shipment.

Open Ship PAYG shipping is available for the following FedEx services:

- FedEx Express U.S. domestic, including Collect on Delivery (C.O.D.)
- FedEx Ground U.S. domestic

To print labels for packages as you prepare an Open Ship shipment, include the fields in Table 4-23 in a 020 Global Ship Request transaction.
Note that the first three fields are required for FedEx Express and FedEx Ground U.S. domestic shipments (PAYG-NA), including FedEx Express U.S. domestic C.O.D. (PAYG-A). The last three fields are required for FedEx Express U.S. domestic C.O.D. only.

### Print-As-You-Go Package Association and Print Modes

Table 4-23 describes the Print-As-You-Go package associations and print modes for FedEx services.

**Table 4-23 Print-As-You-Go Package Association**

<table>
<thead>
<tr>
<th>FedEx Service</th>
<th>Data Entry Method</th>
<th>Package Association</th>
<th>Print Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>FedEx Express</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>U.S. domestic</td>
<td>Open Ship MPS</td>
<td>No association or sequence numbers</td>
<td>Print-As-You-Go Non-Associated (PAYG-NA) mode. Labels are printed for all pieces when they are added or edited.</td>
</tr>
<tr>
<td>FedEx Express</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C.O.D. (U.S.)</td>
<td>Open Ship MPS</td>
<td>Sequence numbers assigned to packages; each package added increments the sequence number. The first piece created is the Master piece for the shipment. The piece tracking number of the CREATE piece becomes the Master tracking number for the shipment.</td>
<td>Print-As-You-Go Associated (PAYG-A) mode. Labels are printed for all pieces when they are added or edited. The C.O.D. Return Label is printed with the last piece in the shipment.</td>
</tr>
<tr>
<td>FedEx Ground</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>U.S. domestic</td>
<td>Open Ship MPS</td>
<td>No association or sequence numbers</td>
<td>Print-As-You-Go Non-Associated (PAYG-NA) mode. Labels are printed for all pieces when they are added or edited.</td>
</tr>
</tbody>
</table>
**Open Ship Print-As-You-Go (PAYG) Fields**

*Table 4-24 Open Ship Print-As-You-Go (PAYG) Fields*

### Required Fields for Print-As-You-Go Labels

Transaction: 020 Global Ship Request - Open Ship MPS

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Service</td>
<td>Valid For</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Open Ship Flags</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>541</td>
<td>Max=9</td>
<td>A</td>
<td>I</td>
<td>FDXE*</td>
<td>US</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FDXG FDXS</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*includes C.O.D.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>REQUIRED*</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Identifies transaction functions using nine one-byte flags which are set to Y to indicate shipment level or package level flags. To enable Print-As-You-Go mode, specify Y in one of the following positions: 1—CREATE an Open Shipment 4—ADD a piece/package 5—EDIT a piece/package 6—EDIT/ADD data to the entire shipment *Required for Open Ship.</td>
<td></td>
</tr>
<tr>
<td><strong>Open Ship Index</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>542</td>
<td>Max=9</td>
<td>N</td>
<td>I</td>
<td>FDXE*</td>
<td>US</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FDXG FDXS</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*includes C.O.D.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>REQUIRED*</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Set to the unique number passed in the CREATE transaction. The value is a unique number per Open Ship shipment per meter and represents the Open Ship Index. *Required for Open Ship. Note: Field 542 is not required if you are simultaneously performing a CREATE or ADD transaction. Examples of simultaneous transactions are: YNNNNNNNN which performs a shipment level CREATE and Route/Time in Transit transaction, or NNEYNNNNNN which performs a package level ADD and shipment level Route/Time in Transit together in the same transaction.</td>
<td></td>
</tr>
<tr>
<td><strong>Package Association and Print Mode</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2600</td>
<td>Max = 2</td>
<td>N</td>
<td>I</td>
<td>FDXE*</td>
<td>US</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FDXG FDXS</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*includes C.O.D.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Optional.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Identifies the package association and Print-As-You-Go (PAYG) option for a FedEx Express C.O.D. U.S. shipment. Requires value set to: 03—Package association and print labels with each CREATE/ADD piece transaction for intra-U.S. multiple-piece shipments (MPS) using Print-As-You-Go (PAYG-A) mode.</td>
<td></td>
</tr>
</tbody>
</table>
### Open Ship PAYG Transaction Summary

This table summarizes the transaction fields and associated print modes for the Open Ship Print-As-You-Go function in FedEx Ship Manager Server.

Note: For all Open Ship PAYG shipments, you cannot EDIT a piece or EDIT a shipment after a CONFIRM transaction.

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input Output</th>
<th>FedEx Shipping</th>
<th>Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Package Total</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>116</td>
<td>Max=3</td>
<td>N</td>
<td>I</td>
<td>FDXE* FDXG FDXS</td>
<td>US</td>
<td></td>
<td>Field Level: Shipment REQUIRED*. Total number of packages in a shipment, including the master package. *Required for a multiple-piece shipment (MPS). For all MPS shipments, the software performs the package count summation based on the number of occurrences of field 1670-# (Package Weight/Shipment Weight) and overrides any input value.</td>
</tr>
<tr>
<td>C.O.D. Flag</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>27-#</td>
<td>Max=1</td>
<td>A</td>
<td>I</td>
<td>FDXE* FDXG FDXS *includes C.O.D.</td>
<td>US</td>
<td></td>
<td>Field Level: Shipment level for FedEx Express; Package level for FedEx Ground and FedEx SmartPost REQUIRED*. When set to Y, indicates that a package or shipment is being shipped Collect on Delivery (C.O.D.), and &quot;C.O.D.&quot; prints in the box beside the recipient name on the bill of lading. Multiple-occurrence field. *Required for C.O.D. Valid values are: Y—Package is C.O.D. at the shipment level for FedEx Express and at the package level for FedEx Ground. N—Package is NOT sent C.O.D. (default) S—Package is sent C.O.D. at the Shipment level for FedEx Ground.</td>
</tr>
<tr>
<td>C.O.D. Collect Amount</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>53</td>
<td>Max=10.2</td>
<td>N</td>
<td>I</td>
<td>FDXE* FDXG FDXS *includes C.O.D.</td>
<td>US</td>
<td></td>
<td>Field Level: Shipment level for FedEx Express; Package level for FedEx Ground. REQUIRED. Amount of payment that must be collected upon delivery of the Collect on Delivery (C.O.D.) package. Maximum of $25,000 for FedEx Ground if guaranteed funds and maximum of $750 if cash. Multiple-occurrence field.</td>
</tr>
<tr>
<td>------------------------------</td>
<td>--------------------</td>
<td>-------------------</td>
<td>-----------------------------------------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>CREATE Shipment</strong></td>
<td>Transaction: 020 Global Ship Request&lt;br&gt;&lt;br&gt;<strong>Fields:</strong>&lt;br&gt;541—set to CREATE flag&lt;br&gt;2600—set to value 4&lt;br&gt;Labels printed.&lt;br&gt;Rate returned when requested by 541 set with RATE flag.</td>
<td></td>
<td>Transaction: 020 Global Ship Request&lt;br&gt;&lt;br&gt;<strong>Fields:</strong>&lt;br&gt;541—set to CREATE flag&lt;br&gt;2600—set to value 4&lt;br&gt;116—returns total pieces&lt;br&gt;Label printed with Master tracking and package sequence numbers.&lt;br&gt;Rate returned when requested by 541 set with RATE flag.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>ADD Piece</strong></td>
<td>Transaction: 020 Global Ship Request&lt;br&gt;&lt;br&gt;<strong>Fields:</strong>&lt;br&gt;541—set to ADD flag&lt;br&gt;Labels printed.&lt;br&gt;Rate returned when requested by 541 set with RATE flag.</td>
<td></td>
<td>Transaction: 020 Global Ship Request&lt;br&gt;&lt;br&gt;<strong>Fields:</strong>&lt;br&gt;541—set to ADD flag&lt;br&gt;Label printed with Master tracking and package sequence numbers.&lt;br&gt;Rate returned when requested by 541 set with RATE flag.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>EDIT Piece before CONFIRM</strong></td>
<td>Transaction: 020 Global Ship Request&lt;br&gt;&lt;br&gt;<strong>Fields:</strong>&lt;br&gt;541—set to EDIT Piece flag&lt;br&gt;New labels printed for all edited pieces. Tracking numbers are not changed.&lt;br&gt;Rate returned when requested by 541 set with RATE flag.</td>
<td></td>
<td>Transaction: 020 Global Ship Request&lt;br&gt;&lt;br&gt;<strong>Fields:</strong>&lt;br&gt;541—set to EDIT Piece flag&lt;br&gt;New label printed with Master tracking (reused) and package sequence numbers (reused).&lt;br&gt;Rate returned when requested by 541 set with RATE flag.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>EDIT Shipment Before CONFIRM</strong></td>
<td>Transaction: 020 Global Ship Request&lt;br&gt;&lt;br&gt;<strong>Fields:</strong>&lt;br&gt;541—set to EDIT Shipment flag&lt;br&gt;New labels printed for all pieces. Tracking numbers are preserved.&lt;br&gt;Rate returned when requested by 541 set with RATE flag.</td>
<td></td>
<td>Transaction: 020 Global Ship Request&lt;br&gt;&lt;br&gt;<strong>Fields:</strong>&lt;br&gt;541—set to EDIT Shipment flag&lt;br&gt;New labels printed for all pieces with a new Master tracking number.&lt;br&gt;Packaging sequence numbers are reused and reflect the new tracking number.&lt;br&gt;Rate returned when requested by 541 set with RATE flag.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>DELETE Piece before CONFIRM</strong></td>
<td>Transaction: 020 Global Ship Request&lt;br&gt;&lt;br&gt;<strong>Fields:</strong>&lt;br&gt;541—set to Delete Piece flag&lt;br&gt;29—piece tracking number.</td>
<td></td>
<td>Transaction: 020 Global Ship Request&lt;br&gt;&lt;br&gt;<strong>Fields:</strong>&lt;br&gt;541—set to DELETE Piece flag&lt;br&gt;New labels printed for all pieces with a new Master tracking number and new sequence numbers.&lt;br&gt;Rate returned when requested by 541 set with RATE flag.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>DELETE Shipment Before CONFIRM</strong></td>
<td>Transaction: 020 Global Ship Request&lt;br&gt;&lt;br&gt;<strong>Fields:</strong>&lt;br&gt;541—set to DELETE Shipment flag</td>
<td></td>
<td></td>
<td>Transaction: 020 Global Ship Request&lt;br&gt;&lt;br&gt;<strong>Fields:</strong>&lt;br&gt;541—set to DELETE Shipment flag</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>CONFIRM Shipment</strong></td>
<td>Transaction: 020 Global Ship Request&lt;br&gt;&lt;br&gt;<strong>Fields:</strong>&lt;br&gt;541—set to CONFIRM Shipment flag&lt;br&gt;No additional shipping labels printed.&lt;br&gt;Rate returned with 120 Reply for CONFIRM Shipment.</td>
<td></td>
<td>Transaction: 020 Global Ship Request&lt;br&gt;&lt;br&gt;<strong>Fields:</strong>&lt;br&gt;541—set to CONFIRM Shipment flag&lt;br&gt;No additional shipping labels printed.&lt;br&gt;C.O.D. Return Label is printed with the last package in the shipment.&lt;br&gt;Rate returned with 120 Reply for CONFIRM Shipment.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Open Ship Function

<table>
<thead>
<tr>
<th>Open Ship Function</th>
<th>FedEx Express U.S.</th>
<th>FedEx Express U.S. Collect on Delivery (C.O.D.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DELETE a Piece or Shipment after CONFIRM</td>
<td>Transaction: 023 Global Delete Request You may delete any piece in the shipment.</td>
<td>Transaction: 023 Global Delete Request Deleting one piece deletes the entire shipment. You can re-add the shipment as a separate transaction.</td>
</tr>
</tbody>
</table>
FedEx Express U.S. Open Ship Transaction Samples

The following Open Ship code examples are for FedEx Express shipments with origin/destination addresses within the United States.

Example A shows how to create a FedEx Express shipment and add five packages. The example transactions also show how to request rate information for each package as it is added.

Example B shows how to create a FedEx Express Freight shipment and add five pallets before confirming the shipment.

Example A - FedEx Express Open Ship shipment of five packages to Indianapolis

```
```

Example B - FedEx Express Freight Open Ship shipment of five pallets to Indianapolis

```
```
FedEx Express U.S. Export Open Ship Transactions

The following Open Ship code example shows how to code FedEx Express transactions for destinations outside of the United States.

Example A is a FedEx Express Open Ship shipment of five packages destined for Brussels, Belgium. The transaction adds a new commodity to the shipment and edits the information for that commodity.

Example B is a FedEx Express Freight Open Ship shipment of five pallets shipped to the same address in Belgium. The transaction requests that a FedEx commercial invoice be printed for the shipment.

Example C shows the transaction strings required for a FedEx Express five-package shipment to Japan and does not print a FedEx commercial invoice.

Example A - FedEx Express Open Ship shipment with five packages containing multiple commodities shipped from U.S. to Brussels, Belgium with a FedEx commercial invoice printed

Example B - FedEx Express Freight Open Ship shipment of five pallets shipped from U.S. to Brussels, Belgium with a FedEx commercial invoice printed
Example C - FedEx Express Open Ship shipment of five packages shipped from U.S. to Japan with no commercial invoice

FedEx Ground Open Ship Transaction

Samples

The following Open Ship code examples show how to code FedEx Ground shipping transactions.

Example A shows the basic shipping transaction sequence for creating a shipment and adding five packages. The shipment is identified by the Open Ship Index "200" in field 542 which is passed with the CREATE flag.

Example B ships multiple commodities in one shipment to an address in Canada. The transactions include adding and editing the commodities in the shipment.

Example C ships five packages to a commercial recipient in the United States and requests the rate for each package as it is added to the shipment.

Example A - FedEx Ground hazardous materials shipment to U.S. address

CREATE a FedEx Ground Open Ship shipment using 020 Global Ship Request transaction and ADD the first package.

```
```

ADD second package.

```
```

ADD third package.

```
```

ADD fourth package.

```
```

ADD fifth package.

```
```

CONFIRM shipment.

```
```
Example B - FedEx Ground shipment to Canada address

CREATE a FedEx Ground open shipment and ADD first package.

0,"020","Ground Open Ship Create, Multiple Commodities, FedEx CI","12","Canadian Electronics","18","9012631234","23","1","25","Carton 1","26","100","38","Electrical Components Division","50","CA","72","1","74","CA","75","KGS","77","25","77-2","25","77-3","15","77-4","45","77-5","10","79","Capacitors","79-2","Resistors","79-3","Diodes","79-4","Integrated Circuits","79-5","Drive Motors","80","US","80-2","US","80-3","US","80-4","US","80-5","US","81","8518290000","81-2","8524400000","81-3","8518300000","81-4","8519920000","81-5","8518290000","82","1000","82-2","1000","82-3","1000","82-4","50","82-5","25","113","x","183","9011234567","414","EA","414-2","EA","414-3","EA","414-4","EA","414-5","EA","498","1","YNNNNNNNN","542","400","1030","250000000","1030-2","325000000","1030-3","125000000","1030-4","50000000","1030-5","50000000","1090","USD","1139","123456789","1273","01","1274","92","1349","S","1350","1029984756973","1358","NO EEI 30.37(a)","1670","1300","3062","299",""

ADD second package.

0,"020","Add Package Two","25","Carton 2","50","CA","74","CA","498","1","541","YNNNNNNNN","542","400","1273","01","1274","92","1670","1550","3062","299",""

ADD third package.

0,"020","Add Package Three","25","Carton 3","50","CA","74","CA","498","1","541","YNNNNNNNN","542","400","1273","01","1274","92","1670","1550","3062","299",""

ADD fourth package.

0,"020","Add Package Four","25","Carton 4","50","CA","74","CA","498","1","541","YNNNNNNNN","542","400","1273","01","1274","92","1670","1550","3062","299",""

ADD fifth package.

0,"020","Add Package Five","25","Carton 5","50","CA","74","CA","498","1","541","YNNNNNNNN","542","400","1273","01","1274","92","1670","1550","3062","299",""

Add commodity to shipment.

0,"020","Add Commodity to Shipment","29","123456789876","50","CA","77","Zener Diode","80","US","81","8518300000","82","75","414","EA","541","YNNNNNNNN","542","400","1030","25000000","1677","199",""

Edit commodity.

0,"020","Edit Commodity #1","50","CA","77","Zener Diode","80","US","81","8518300000","82","100","414","EA","541","YNNNNNNNN","542","400","1030","25000000","1677","199","FDX099",""

CONFIRM shipment.

0,"020","Confirm Open Shipment","50","CA","187","199","37","C: \FedEx\Label Buffers","541","YNNNNNNNN","542","400","1273","01","1274","92","1282","F","3062","299",""
Example C - FedEx Ground shipment to U.S. commercial address

CREATE FedEx Ground open U.S. shipment and ADD first package.


ADD and RATE second package.


ADD and RATE third package.


ADD and RATE fourth package.


ADD and RATE fifth package.


CONFIRM shipment.

CHAPTER 5: CODING TRANSACTIONS FOR FEDEX EXPRESS U.S. SERVICE

FedEx Express® U.S. domestic service refers to those FedEx Express package and freight services available to the 50 United States.

This chapter describes how to code FedEx Express U.S. package and freight shipping transactions using the 020 Global Ship Request transaction. These transactions must be formatted according to rules specified in the transaction field tables in this guide and in the FedEx Ship Manager Server Transaction Coding Reference guide.

See the FedEx Ship Manager Server Services and Shipping Guide for information about FedEx Express U.S. service features and details before you begin to code.

This chapter includes these topics:

- About FedEx Express U.S. and FedEx Express U.S. Freight
- Transaction Rules and Restrictions for FedEx Express U.S.
- Coding Guidelines for FedEx Express U.S.
- Transaction Fields for FedEx Express U.S. Shipments
- Shipping Service Options for FedEx Express U.S.
- Shipping Dangerous Goods with FedEx Express U.S.
- FedEx Express U.S. Transaction Samples
About FedEx Express U.S. and FedEx Express U.S. Freight

Before you code FedEx Express U.S. package transactions, become familiar with basic shipping rules for this service. This topic lists the transaction rules for FedEx Express U.S. and FedEx Express U.S. Freight services.

**FedEx Express U.S.**

When coding FedEx Express U.S. transactions, follow these package rules:

- You can ship FedEx Express U.S. packages to any of the 50 United States.
- FedEx® provides custom packaging for FedEx Express shipments. You may choose to ship using the FedEx Envelope, FedEx Pak, FedEx Box, and FedEx Tube. You may also ship using your own packaging.
- Both commercial and residential shipments may be shipped. Residential packages must be identified in your shipping transaction.
- You may bill the shipping costs to your FedEx account, to the recipient’s FedEx account, or to a third party FedEx account number.
- Maximum size limit for a FedEx Express U.S. package is 150 pounds and 119 inches in length, or 165 inches in length and girth. If your package exceeds 150 pounds or is larger than 119 inches in length or 165 inches in length and girth, you must use FedEx Express U.S. Freight as your shipping service.

**FedEx Express U.S. Freight**

When coding FedEx Express U.S. Freight transactions, follow these freight rules.

- When package weights exceed 150 pounds or dimensions are greater than 119 inches long or 80 inches wide, FedEx Ship Manager® Server allows you to ship these packages as FedEx Express U.S. Freight. Before you create a FedEx Express Freight ship transaction, keep the following rules in mind:
  - 1Day Freight requires a booking number from Freight Customer Services before the shipment is tendered to FedEx.
  - Enter your 1Day Freight booking number in field 1272 (Booking Number) in the 020 Global Ship Request transaction. The booking number, when included in the 020 transaction, prints on the shipping label.

More information on freight packaging, including packing skids, is available when you call FedEx Express Freight Customer Service at 1-800-332-0807.
Transaction Rules and Restrictions for FedEx Express U.S.

Rules for transaction field entries vary according to the FedEx Express U.S. special service you select when you ship a package. The following rules apply to all FedEx Express® U.S. shipping transactions:

• Use field 1274 (Service Type) to specify FedEx Express U.S. service for the package or shipment. You must enter the code for a FedEx Express special service option. See the transaction restrictions for each service in this topic:
  – FedEx Priority Overnight® ("01")
  – FedEx 2Day® ("03")
  – FedEx Standard Overnight® ("05")
  – FedEx First Overnight® ("06")
  – FedEx Express Saver® ("20")

• Shipper and Recipient addresses for FedEx Express U.S. shipments must be U.S. locations.

• If a package weight exceeds 150 LBS or its dimensions are greater than 119" in length or 80" in width, do not ship the package using a FedEx Express U.S. shipping transaction. Instead, use the FedEx Express U.S. Freight service.

FedEx Priority Overnight

The following transaction rules apply when shipping FedEx Express U.S. packages using FedEx Priority Overnight service.

• Use field 1274 set to 01 when you need next-business-day delivery by 10:30 a.m., by 5 p.m. in remote areas or by 1:30 on Saturdays. Delivery to and from many areas of Alaska and Hawaii may take 1 or 2 business days.

• Check whether this service is available to your Recipient address before creating the transaction. Priority Overnight is available to and from all 50 United States, but not all areas of Alaska and Hawaii.

• When estimating time-in-transit and delivery date, delivery days are Monday through Friday, with Saturday pickup only.

• You can include Saturday pickup and delivery in a transaction. Check to make sure this service is available for the area to which you are shipping. There is an additional charge for Saturday pickup service.

• You can code these special service options in a FedEx Priority Overnight transaction: Saturday pickup, Saturday delivery, dangerous goods, Collect-on-Delivery (C.O.D.) service, FedEx Delivery Signature options, Hold at FedEx Location and Saturday Hold at Location.

FedEx 2Day

The following transaction rules apply when shipping FedEx Express U.S. packages using FedEx 2Day service.

• Use field 1274 set to 03 when you need to get a package to its destination in 2 business days (by 4:30 p.m. to most areas and by 7 p.m. to residences). Delivery to some rural areas of Alaska and postal codes in Hawaii may be 3 business days.

• There are no restrictions on U.S. origin and destination addresses. FedEx 2Day service is available to and from all 50 United States.

• When estimating time-in-transit and delivery date, delivery days are Monday through Friday, with Saturday pickup only.

• You can include Saturday pickup and delivery in a transaction. Check to make sure this service is available for the area to which you are shipping. There is an additional charge for Saturday pickup service.
• You can code these special service options in a FedEx 2Day transaction: Saturday pickup, Saturday
delivery, dangerous goods (inaccessible items only), Collect-on-Delivery (C.O.D.) service, FedEx Delivery
Signature options, Hold at FedEx Location and Saturday Hold at Location.

FedEx Standard Overnight
The following transaction rules apply when shipping FedEx Express U.S. packages using FedEx Standard
Overnight service.
• Use field 1274 set to 05 when you need next-business-day delivery by 3 p.m. and to rural areas by 4:30
  p.m. Delivery to and from many areas of Alaska and Hawaii may take 1 or 2 business days.
• Check whether this service is available to your Recipient address before creating the transaction. Standard
  Overnight is available to and from all 50 United States, but not all areas of Alaska and Hawaii.
• When estimating time-in-transit and delivery date, delivery days are Monday through Friday, with Saturday
  pickup only.
• You can include Saturday pickup in a transaction. Check to make sure this service is available for the area
to which you are shipping. There is an additional charge for Saturday pickup service.
• You can code these special service options in a FedEx Standard Overnight transaction: Saturday pickup,
dangerous goods (inaccessible items only), Collect-on-Delivery (C.O.D.) service, FedEx Delivery Signature
options and Hold at FedEx Location.

FedEx First Overnight
The following transaction rules apply when shipping FedEx Express U.S. packages using FedEx First
Overnight service.
• Use field 1274 set to 06 when you need early morning delivery of a package.
• Enter Shipper and Recipient addresses within the contiguous 48 United States and Shipper addresses from
  Alaska only. FedEx First Overnight service is not available from or to Hawaii or to Alaska.
• You can code for these options: Saturday pickup, FedEx Delivery Signature and dangerous goods for dry
  ice only.

FedEx Express Saver
The following transaction rules apply when shipping FedEx Express U.S. packages using FedEx Saver
service.
• Use field 1274 set to 20 when you require delivery to a business address in 3 days by 4:30 p.m. or to a
  residential address in 3 days by 7 p.m.
• Check whether this service is available from your shipping address to your Recipient address before
  creating the transaction. Express Saver is available to and from all 48 contiguous United States. It is not
  available to or from Alaska and Hawaii.
• You can code these special service options in a FedEx Express Saver transaction: Saturday pickup,
dangerous goods (inaccessible items only), Collect-on-Delivery (C.O.D.) service, FedEx Delivery Signature
options, and Hold at FedEx Location.
**Available Shipping Methods for FedEx Express U.S.**

The shipping methods available for FedEx Express U.S. packages are:

- Single Piece
- Multiple-Piece Shipment (MPS)
- Single Shot MPS
- Open Ship

**FedEx Express U.S. Multiple-Piece Shipping**

A multiple-piece shipment (MPS) consists of two or more packages shipped to the same recipient.

To create an MPS shipment, you can choose from one of the following options to create an MPS transaction:

- Single transaction with multiple occurrence fields (referred to as a Single Shot)
- Open Ship transactions with CREATE shipment, ADD piece and CONFIRM shipment functions

FedEx Express U.S. multiple-piece shipments, however, do not have a master tracking number that links the packages together in a single shipment. The lack of a master tracking number affects how packages are counted and package information appears on labels.

To distinguish packages in a FedEx Express shipment, you can label the packages with the package count (for example: 1 of 3, 2 of 3, and 3 of 3).

**FedEx Express U.S. Open Ship Transaction Fields**

You can use the Open Ship shipping method to ship multiple-piece shipments for FedEx Express U.S.

For information about how to process an Open Ship shipment, see Chapter 4: FedEx Ship Manager Server Open Ship Transactions.
Coding Guidelines for FedEx Express U.S.

When you code a FedEx Express U.S. transaction, follow these rules:

- Use the 020 Global Ship Request transaction to request all FedEx Express U.S. shipping functions. Replies are returned in the 120 Global Ship Reply transaction.

- Always begin each transaction with the Transaction Code field 0 and enter the value "020" or "20". For example, 0,"020".

- Always include field 1 Customer Transaction Identifier in each transaction. This field lets you link transaction "replies" back to the transaction "requests" in those instances where you are performing multiple shipment transactions for bulk shipments.

- Always include the meter number (field 498) of the client/device on which you are running the FSMS transactions.

- Include field 1274 (Service Type) and select the code that specifies the type of FedEx Express U.S. service you want to use. There is no general code for FedEx Express U.S.; you must select one of these services:
  - 01—FedEx Priority Overnight
  - 03—FedEx 2Day
  - 05—FedEx Standard Overnight
  - 06—FedEx First Overnight
  - 20—FedEx Express Saver
  - 70—FedEx 1Day® Freight
  - 80—FedEx 2Day® Freight
  - 83—FedEx 3Day® Freight

- You must provide "Ship To" information in the transaction. Include in field 11 (Recipient Company) the recipient name and in field 12 (Recipient Contact Name) the contact information for the company or person to whom you are sending the shipment.

- Your "Ship From" information is entered as part of your FSMS configuration. If the "Ship From" information is different, you must include the shipper name and contact information in the transaction.

- Always include field 23 (Pay Type). You may have the shipping costs billed to your FedEx account, to the recipient of the shipment or to a third party.

- You must specify the packaging type for your shipment; that is, whether the package is prepared by the shipper or uses a FedEx box, envelope, tube or pak. Pass field 1273 (Packaging Type) with this information.

- You must specify the weight of the package in field 1670 (Package Weight/Shipment Weight). This field must contain individual package weights only. FedEx Ship Manager Server performs the weight summation and package count.

- You can use the Open Ship method to ship FedEx Express U.S. Open Ship requires that you use field 541 (Open Ship Flags) to specify the shipping function and use field 542 (Open Ship Index) to identify the shipment index associated with the flagged function in field 541.

- Add more fields if you wish to send the package using any of the FedEx Express U.S. special options, such as Hold At Location, Collect on Delivery and Saturday Pickup. Each of these options has a special flag field and each is described in this guide.

- Always end each transaction with the End of Record Indicator field 99. Do not enter a value in this field. The field should always look like this: 99,""
## Transaction Fields for FedEx Express U.S. Shipments

Table 5-1 lists the transaction fields required to ship a FedEx Express U.S. package or shipment. See other special service options, such as Hold At Location and Saturday Pickup, for additional fields.

### Table 5-1 Fields Required for FedEx Express U.S. Shipments

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0</td>
<td>Max=3</td>
<td>N</td>
<td>I</td>
<td>FDXE</td>
<td>All</td>
<td></td>
<td>Field Level: Shipment REQUIRED. Indicates the start of a transaction. For example, 0,&quot;020&quot; or 0,&quot;20&quot; signifies the start of the 020 Global Ship Request transaction.</td>
</tr>
<tr>
<td>1</td>
<td>Max=30</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>All</td>
<td></td>
<td>Field Level: Shipment Optional. The transaction identifier (ID) lets you link transaction &quot;replies&quot; back to the transaction &quot;requests&quot; in the case of a bulk shipment. FedEx Ship Manager Server does not require this field, but it is available and recommended for customer use.</td>
</tr>
<tr>
<td>11</td>
<td>Max=35</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>All</td>
<td></td>
<td>Field Level: Shipment REQUIRED*. Company name of the Recipient. *Required if shipment is being sent to a company. If this field is not applicable, field 12 (Recipient Name) must be completed.</td>
</tr>
<tr>
<td>12</td>
<td>Max=35</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>All</td>
<td></td>
<td>Field Level: Shipment REQUIRED*. Contact name at the Recipient company. *Required if a recipient company is not provided. *Required for all C.O.D. (U.S. domestic service only), alcohol, bill recipient, and bill third party. *Required for Hold at Location service.</td>
</tr>
<tr>
<td>13</td>
<td>Max=35</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>All</td>
<td></td>
<td>Field Level: Shipment REQUIRED. Primary address line of Recipient address. This is the address to which the shipment is sent.</td>
</tr>
</tbody>
</table>
### Required Fields for FedEx Express U.S. Package and Freight Shipments

**Transaction: 020 Global Ship Request - Single Piece, Single Shot, Open Ship MPS**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Recipient Address Line 2</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| 14       | Max=35       | A         | I            | FDXE    | All       | Field Level: Shipment REQUIRED*.  
Second address line of Recipient address. This is the address to which the shipment is sent.  
*Required if the address contains secondary address elements such as apartment number, suite number, floor building, and so forth in addition to the street name and street number provided in field 13 (Recipient Address Line 1). |
| **Recipient City** | | | | | | |
| 15       | Max=35       | A         | I            | FDXE    | All       | Field Level: Shipment REQUIRED.  
City name for the Recipient address. This is the city to which the shipment is sent.  
Minimum of 3 characters required for city name. |
| **Recipient State/Province** | | | | | | |
| 16       | Min= 2       | A         | I            | FDXE    | All       | Field Level: Shipment REQUIRED*.  
State or province code of the Recipient address.  
Field length is 2 for U.S.  
*Required for U.S. domestic  
See Appendix C in the Transaction Coding Reference for a list of state codes. |
| **Recipient Postal Code** | | | | | | |
| 17       | Max=10       | A         | I            | FDXE    | All       | Field Level: Shipment REQUIRED*.  
Postal code for the city and state or province code of the Recipient address. |
| **Recipient Phone Number** | | | | | | |
| 18       | Max=15       | A         | I            | FDXE    | All       | Field Level: Shipment REQUIRED.  
Phone number of the Recipient address. This number is used for FedEx Collect on Delivery (C.O.D.), Hold at FedEx Location (HAL) and alcohol shipments.  
Note: Do not include non-numeric characters such as a parenthesis or dash. |
### Required Fields for FedEx Express U.S. Package and Freight Shipments

**Transaction: 020 Global Ship Request - Single Piece, Single Shot, Open Ship MPS**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pay Type</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Max=1</td>
<td>N</td>
<td>I</td>
<td>FDXE</td>
<td>All</td>
<td><strong>Field Level:</strong> Shipment <strong>REQUIRED</strong>. Code for payment type. FedEx Express payment types are: 1—Bill Sender 2—Bill Recipient or Consignee 3—Bill Third Party</td>
</tr>
<tr>
<td><strong>Recipient Country</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Meter Number</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>498</td>
<td>Max=7</td>
<td>N</td>
<td>I</td>
<td>FDXE</td>
<td>All</td>
<td><strong>Field Level:</strong> Shipment <strong>REQUIRED</strong> or Defaulted. Unique number assigned to a FedEx shipping account (used in each transaction to identify the revenue/shipping activity of a shipment). Defaults to the master meter number. *Required if the meter number is different than the meter number configured as the default. Note: If a one-to-one relationship exists between meter numbers and account numbers (in other words, there is no more than one meter number per account number), then the meter number or the account number alone may be used in the transaction. Note: In FedEx Ship Manager Server version 10.0.1, meter numbers are expanded to nine-digits in length. Your assigned meter number may be any length up to nine-digits.</td>
</tr>
<tr>
<td><strong>Packaging Type</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1273</td>
<td>Max=2</td>
<td>N</td>
<td>I</td>
<td>FDXE</td>
<td>All</td>
<td><strong>Field Level:</strong> Package <strong>REQUIRED</strong>. Available for Express (U.S. domestic and international): 01—Customer packaging 02—FedEx Pak 03—FedEx Box 04—FedEx Tube 06—FedEx Envelope</td>
</tr>
</tbody>
</table>
### Service Type

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Service</th>
<th>Valid For</th>
</tr>
</thead>
<tbody>
<tr>
<td>1274</td>
<td>Max=2</td>
<td>N</td>
<td>I</td>
<td>FDXE</td>
<td>All</td>
<td></td>
</tr>
</tbody>
</table>

**Field Level:** Shipment

**Required:**

Service type provided by the shipper.

Valid service types are:

- FedEx Express U.S.:
  - 01—FedEx Priority Overnight
  - 03—FedEx 2Day
  - 05—FedEx Standard Overnight
  - 06—FedEx First Overnight
  - 20—FedEx Express Saver
  - 70—FedEx 1Day Freight
  - 80—FedEx 2Day Freight
  - 83—FedEx 3Day Freight

### Package Weight/Shipment Weight

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Service</th>
<th>Valid For</th>
</tr>
</thead>
<tbody>
<tr>
<td>1670</td>
<td>Max=8.2</td>
<td>N</td>
<td>I</td>
<td>FDXE</td>
<td>All</td>
<td></td>
</tr>
</tbody>
</table>

**Field Level:** Shipment for international and intra-Canada, Package for U.S. domestic.

**Required**:

Weight of package or shipment.

*Required for U.S. domestic shipping (including FedEx Ground HazMat shipments) to specify individual package weights.

FSMS will perform the weight summation and package count.

*Required if field 1493 is Y.

*Required to receive rate quotes.

This weight field supports two implied decimals for ALL shipments and does not require any distinction between FedEx Express, FedEx Ground or FedEx International shipping.

For U.S. Domestic Shipping:

You must enter individual package weights only. FSMS performs the weight summation and package count. This method is optional for all FedEx International shipping including U.S. Export.

For all FedEx International and intra-Canada Shipping:

You may enter the total shipment weight rather than the individual package weights. If you enter the total shipment weight, you must also use field 116 (Package Total) to indicate the total number of packages in the shipment.

Maximum weights allowed are:

- FedEx Express (non-Freight)—150 lbs
- FedEx Ground—150 lbs
- FedEx Home Delivery—70 lbs
Deleting a FedEx Express Shipment

Use the 023 Global Delete Request transaction to delete a single piece or all pieces in a FedEx Express U.S. domestic multiple-package shipments.

Note: If you enter a tracking number associated with a multiple-piece shipment, FedEx Ship Manager Server deletes all pieces in this shipment.
Shipping Service Options for FedEx Express U.S.

FedEx Ship Manager Server supports most FedEx shipping services and options. The following sections describe options available with FedEx Express U.S. and Freight shipping.

FedEx Express U.S. shipping service options include these delivery and shipment services:

- Alerts—FedEx Ship Alert
- Collect on Delivery – FedEx Express C.O.D.
- FedEx® Delivery Signature Options
- Future Day Shipment
- Hold at Location – FedEx Hold at Location
- Residential Delivery
- Saturday Service – Saturday Delivery, Saturday Pickup

FedEx shipping service options include shipping for

- Alcohol
- Dangerous Goods
- Dry Ice
FedEx Express U.S. Collect-on-Delivery Service

FedEx offers Collect-on-Delivery service for FedEx Express with flexible payment options. This service is available within the U.S. only and is available for both FedEx Express and freight shipments.

Use the FedEx Express C.O.D. service option to designate the amount of money that the FedEx Express courier collects from the recipient upon shipment delivery. Enrollment is not required. C.O.D. checks are returned to the shipper via FedEx Standard Overnight shipping schedule plus 90-minutes. Two labels (one outbound and one inbound) print at the time of shipping for automation customers.

C.O.D. service is not available with FedEx SameDay® or FedEx First Overnight. In addition, C.O.D. service is not available to and from extended service areas for FedEx Express Freight Services®. Also, C.O.D. service is not available to and from Puerto Rico or other international locations. C.O.D. service is available for FedEx Express in Canada.

FedEx contacts your recipient before delivery so payment is ready. Your recipient can pay by personal check, money order, cashier’s check, company check, official check, or certified check. FedEx returns payment to you the next business day by FedEx Standard Overnight (where available; otherwise, FedEx 2Day).

Transaction Shipping Rules

The following shipping rules apply to FedEx C.O.D. shipments:

• You can set the C.O.D. flag to Y if the 1274 (Service Type) field is set to one of these FedEx Express services:
  – 01 for FedEx Priority Overnight
  – 05 for FedEx Standard Overnight
  – 03 for FedEx 2Day
  – 20 for FedEx Express Saver
  – 70, 80, 83 or 111 for FedEx Express Freight

• You cannot set field 1274 to 06 for FedEx First Overnight. Collect-on-Delivery service is not available for this service.

• Do not set field 1274 to an international service. C.O.D. is not available for international shipments.

• Dangerous goods (field 1331 Dangerous Goods/HazMat Flag) may be shipped as C.O.D.

• You may include field 1200 (Hold at Location Flag). C.O.D. service is available for Hold at Location.

• Use field 54 (C.O.D. Cashiers Check or Money Order) to choose between Secured Payment (cashier’s check, official check or money order) and Unsecured Payment (personal check, money order, cashier’s check, company check, official check, or certified check).

• Always provide a contact name for the C.O.D. delivery in field 12.

• Always provide C.O.D. Return information in the event the shipment is refused by the recipient.
C.O.D. Field Descriptions

You can configure how C.O.D. charges are assessed through the 020 Global Ship Request transaction. Use the FSMS fields in this table to code C.O.D. shipments:

Table 5-2 Fields for FedEx Express U.S. C.O.D.

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>FedEx Shipping Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>C.O.D. Field</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Recipient Contact Name</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>C.O.D. Flag</td>
</tr>
<tr>
<td>27-#</td>
<td>Max=1</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>US</td>
<td>Field Level: Shipment level for FedEx Express REQUIRED*. When set to Y, indicates that shipment is being shipped Collect on Delivery (C.O.D.), and &quot;C.O.D.&quot; prints in the box beside the recipient name on the bill of lading. Multiple-occurrence field. *Required for C.O.D. Valid values are: Y—Package is C.O.D. N—Package is NOT sent C.O.D. (default)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>C.O.D. Collect Amount</td>
</tr>
<tr>
<td>53-#</td>
<td>Max=10. 2</td>
<td>N</td>
<td>I</td>
<td>FDXE</td>
<td>US</td>
<td>Field Level: Shipment level for FedEx Express REQUIRED. Amount of payment that must be collected upon delivery of the FedEx® Collect on Delivery (C.O.D.) package. Multiple-occurrence field.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>C.O.D. Cashiers Check or Money Order</td>
</tr>
<tr>
<td>54</td>
<td>Max=1</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>US</td>
<td>Field Level: Shipment REQUIRED*. Indicates whether payment on the FedEx Collect on Delivery (C.O.D.) package requires a cashier’s check or money order. *Required if cashier’s check or money order is required. Valid values are: Y—Requires cashier’s check or money order for payment N—Does not require cashier’s check or money order for payment</td>
</tr>
</tbody>
</table>
**Fields for FedEx Express U.S. C.O.D.**

**Transaction: 020 Global Ship Request**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>186</td>
<td>Max=1</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>Field Level: Shipment Optional. Indicates whether freight charges are added to an intra-U.S. or intra-CA C.O.D. shipment and if so, the type of charge. Valid values are: Y—Add discounted net charge N—No additional charges added to the C.O.D. amount (default) 1—Add discounted net charge (same as Y) 2—Add list net charge 3—Add discounted C.O.D. charge 4—Add list C.O.D. surcharge 5—Add discounted Customer Total Charge 6—Add list Customer Total Charge</td>
</tr>
<tr>
<td>439</td>
<td>Max=30</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>Field Level: Shipment Optional. Name of a Collect on Delivery (C.O.D.) remit payer to be passed in the transaction, if different from Sender.</td>
</tr>
<tr>
<td>1224</td>
<td>Max=15</td>
<td>N</td>
<td>I</td>
<td>FDXE</td>
<td>REQUIRED*. Field used by the &quot;Preassign tracking number&quot; function. *Required if pre-assigning a tracking number to a C.O.D. return shipment. Tracking number of the C.O.D. return package should be populated when the C.O.D. package tracking number is pre-assigned using field 1222 (Preassigned Tracking Number/ProNumber).</td>
</tr>
<tr>
<td>1225</td>
<td>Max=4</td>
<td>N</td>
<td>I</td>
<td>FDXE</td>
<td>Optional. Identifies the type of shipment. Use only for routing. Valid values are: 0201—Domestic (default) 0301—Master C.O.D. 0321—C.O.D. Return 0261—C.O.D. MPS* *MPS is the acronym for multiple-piece shipment.</td>
</tr>
</tbody>
</table>
## Fields for FedEx Express U.S. C.O.D.

### Transaction: 020 Global Ship Request

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>FedEx Shipping</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Service</td>
<td>Valid For</td>
</tr>
</tbody>
</table>

### C.O.D. Return Phone Number
- **Field Level:** Shipment
  - Optional.
  - Telephone number for return of the Collect-on-Delivery (C.O.D.) package.
  - Default is configured in FSMS Configuration Utility.

- **Field ID:** 1237
- **Field Length:** Max=10
- **Data Type:** A
- **Input/Output:** I
- **FedEx Shipping:** FDXE
- **Us:** US

### C.O.D. Return Company Name
- **Field Level:** Shipment
  - Optional.
  - Name of company for return of the Collect-on-Delivery (C.O.D.) package.
  - Default is configured in FSMS Configuration Utility.

- **Field ID:** 1238
- **Field Length:** Max=35
- **Data Type:** A
- **Input/Output:** I
- **FedEx Shipping:** FDXE
- **Us:** US

### C.O.D. Return Department
- **Field Level:** Shipment
  - Optional.
  - Department name for return of the Collect-on-Delivery (C.O.D.) package.

- **Field ID:** 1239
- **Field Length:** Max=12
- **Data Type:** A
- **Input/Output:** I
- **FedEx Shipping:** FDXE
- **Us:** US

### C.O.D. Return Address Line 1
- **Field Level:** Shipment
  - Optional.
  - First line of return address for the Collect-on-Delivery (C.O.D.) package.

- **Field ID:** 1240
- **Field Length:** Max=35
- **Data Type:** A
- **Input/Output:** I
- **FedEx Shipping:** FDXE
- **Us:** US

### C.O.D. Return Address Line 2
- **Field Level:** Shipment
  - Optional.
  - Second line of return address for the Collect-on-Delivery (C.O.D.) package.
  - Default is configured in FSMS Configuration Utility.

- **Field ID:** 1241
- **Field Length:** Max=35
- **Data Type:** A
- **Input/Output:** I
- **FedEx Shipping:** FDXE
- **Us:** US

### C.O.D. Return City
- **Field Level:** Shipment
  - Optional.
  - City of the return address for the Collect-on-Delivery (C.O.D.) package.
  - Default is configured in FSMS Configuration Utility.

- **Field ID:** 1242
- **Field Length:** Max=35
- **Data Type:** A
- **Input/Output:** I
- **FedEx Shipping:** FDXE
- **Us:** US

### C.O.D. Return State
- **Field Level:** Shipment
  - Optional.
  - State code of the return address for the Collect-on-Delivery (C.O.D.) package.
  - Default is configured in FSMS Configuration Utility.
  - See Appendix C in the Transaction Coding Reference for a list of state codes.

- **Field ID:** 1243
- **Field Length:** Max=2
- **Data Type:** A
- **Input/Output:** I
- **FedEx Shipping:** FDXE
- **Us:** US
FedEx Delivery Signature Options – FedEx Express

Use FedEx® Delivery Signature Options to specify the level of signature required for FedEx Express and Freight shipments using the 020 Global Ship Request transaction with field 2399 (Signature Required Type).

To have FedEx obtain a signature when your package is delivered, choose from one of four FedEx signature options:

- **Deliver Without Signature**
  - No signature is required for delivery. Select this option by coding the field as 2399,"1" to deliver the shipment without collecting a signature. This is the default for all residential deliveries. This signature level is not available to commercial addresses. No surcharge is applied.

- **Indirect Signature Required**
  - A signature can be obtained from any individual at the address specified on the package, from a signed door tag, or from an individual at a neighboring address. Select this option by coding the field as 2399,"2" to deliver the shipment when an indirect signature is obtained. FedEx charges a fee for this service when shipments are delivered to residential addresses. This service option is available for FedEx Express. Address corrections are permitted.

- **Direct Signature Required**
  - A signature can be obtained from any individual at the address specified on the package. Select this option by coding the field as 2399,"3" to deliver the shipment with a direct signature is obtained. FedEx Express charges a fee for this service. This service option is available for FedEx Express. Address corrections are permitted.

- **Adult Signature Required**
  - A signature can only be obtained from an individual 21 years of age or older at the address specified on the package. Select this option by coding the field as 2399,"4" to deliver the shipment only when an adult signature is obtained. A government-issued, photo ID is required for age verification. This service option incurs a fee for all deliveries. This service option is available for FedEx Express. Address corrections are not permitted.
## Table 5-3 Delivery Signature Field Description

Table 5-3 describes field 2399 (Delivery Signature) and the types of shipments that require delivery signatures.

### Table 5-3 Delivery Signature Field 2399

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2399-#</td>
<td>Max=1</td>
<td>N</td>
<td>I</td>
<td>FDXE</td>
<td>All</td>
</tr>
</tbody>
</table>

**Field Level:** Package level except for FedEx Express C.O.D. which is applied at the shipment level. REQUIRED.

- Valid values are:
  - 0 — Not Present
  - 1 — Deliver without Signature
  - 2 — Indirect
  - 3 — Direct
  - 4 — Adult

- Alcohol shipments always require an Adult Signature and a surcharge is applied. No other signature option is available for alcohol shipments.
- No signature option is available for Hold at Location shipments.
- C.O.D. or dangerous goods and shipments with an insurance value greater than $499 USD require a Direct Signature, and a surcharge is not applied. Adult Signature is available as an upgrade for U.S. domestic FedEx Express shipments, and a surcharge is applied if Adult Signature is selected. Indirect Signature and Deliver without Signature are not available for these types of shipments.
- All other non-residential U.S. domestic FedEx Express shipments and all international shipments require an Indirect Signature. Direct Signature and Adult Signature are available as an upgrade for U.S. domestic FedEx Express shipments. A surcharge is applied if an upgrade is selected. Deliver without Signature is also available for U.S. domestic FedEx Express shipments only.
- All other residential U.S. domestic FedEx Express shipments are handled as Deliver without Signature. Indirect Signature, Direct Signature, and Adult Signature are available as an upgrade for U.S. domestic FedEx Express shipments, and a surcharge is applied if an upgrade is selected.
- Direct Signature is the only signature option available for FedEx 1Day and 2Day Freight Services (U.S. domestic FedEx Express Freight services).
FedEx Delivery Signature Options Restrictions – FedEx Express

Signature options are supported for all FedEx Express U.S. domestic packages and FedEx Express C.O.D. shipments.

The following rules and restrictions apply:

- If you are an international customer and are shipping a package to a U.S. recipient, you must include a delivery signature option (field 2399 Signature Required Type) for your shipment.
- When indicating a delivery signature option, use field 2399 at the package level for FedEx Express U.S. service and at the shipment level for FedEx Express U.S. C.O.D. service.
- If you include field 1332 (Alcohol Flag) to indicate an alcohol shipment, always include the required Adult signature field (2399, "4").
- No signature option is allowed for Hold at FedEx location shipments.
- C.O.D. or dangerous goods and shipments with an insurance value greater than $499 USD require a direct signature (2399, "3") and a surcharge is not applied. However, if you upgrade to the adult signature option (2399, "4"), a surcharge will be applied. Indirect signature and delivery without a signature are not available options for these types of shipments.
- Direct Signature (2399, "3") is the only option available for FedEx 1Day Freight and FedEx 2Day Freight Services.
- When creating a multiple-piece shipment (MPS) C.O.D. shipment using Open Ship, use field 2399 in the CREATE transaction.
- When creating a FedEx Express MPS (C.O.D. shipment using a single transaction with multiple occurrence fields, use a single occurrence of field 2399.

FedEx Delivery Signature Options for Special Services

This topic describes signature options and requirements for special services. Coding special services transactions with field 2399 (Signature Required Type) missing or incorrect can result in an error or an override by the transaction processing system. Table 5-4 lists FedEx Delivery Signature Options for special services.

Table 5-4 Delivery Signature Options for Special Services

<table>
<thead>
<tr>
<th>Special Service</th>
<th>Signature Levels</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohol</td>
<td>4—Adult</td>
<td>Signature level 4 is the only accepted level and any other value defaults to 4.</td>
</tr>
<tr>
<td>HAL</td>
<td>0—Unspecified</td>
<td>Signature levels 0—4 default to 0.</td>
</tr>
<tr>
<td>C.O.D., ECOD, or Express DG</td>
<td>0—Unspecified</td>
<td>Signature levels 0—3 default to 0 and do not incur a surcharge. Signature level 4 incurs a surcharge.</td>
</tr>
<tr>
<td></td>
<td>1—None</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2—Indirect</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3—Direct</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4—Adult</td>
<td></td>
</tr>
<tr>
<td>Declared/Carriage Value greater than $499 USD</td>
<td>0—Unspecified</td>
<td>Signature levels 0—3 default to 3 and do not incur a surcharge. Signature level 4 incurs a surcharge.</td>
</tr>
<tr>
<td></td>
<td>1—None</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2—Indirect</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3—Direct</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4—Adult</td>
<td></td>
</tr>
<tr>
<td>All Other Cases (any other special service/scenario, including no special services)</td>
<td>0—Unspecified</td>
<td>Signature levels 0 and 1 default to 0 and do not incur a surcharge. Signature levels 2, 3, and 4 do incur a surcharge.</td>
</tr>
<tr>
<td></td>
<td>1—None</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2—Indirect</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3—Direct</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4—Adult</td>
<td></td>
</tr>
</tbody>
</table>
**FedEx Express Future Day**

Use Future Day shipping to prepare a FedEx Express shipment up to ten (10) days from the actual ship date. A label prints when the shipment is processed, but the shipment can be held until the specified day becomes current before tendering the package to the courier.

Future Day is allowed for all FedEx Express shipping services. A FedEx Express label appears on the specified ship date. To specify a Future Day shipment, include field 24 (Ship Date) in the 020 Global Ship Request transaction with the specified shipping date. See Table 5-5 for a description of field 24 (Ship Date).

**Table 5-5 Future Day Ship Date Field**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input\Output</th>
<th>FedEx Shipping Service</th>
<th>FedEx Shipping Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>Max=8</td>
<td>N</td>
<td>I</td>
<td>FDXE</td>
<td>All</td>
<td>Field Level: Shipment REQUIRED*. Date of shipment. *Required for Future Day shipping. Format: CCYYMMDD Default: Current meter date. For example, July 1, 2005 is coded as: 20050701 For FedEx Express, the ship date can be set in advance up to the number of days allowed by the date range in the URSA file; includes Returns services.</td>
</tr>
</tbody>
</table>

**Deleting a Future Day Shipment**

You can delete a Future Day shipment before the shipping day is closed using the 023/123 Global Delete Request/Reply transaction. This deletes the future ship date from the FedEx Ship Manager Server shipment history database on the local FSMS client. These shipments are not uploaded to FedEx.

However, after you close your shipping day, Future Day shipments are uploaded to FedEx and kept in a reserve file. Therefore, a 023 Global Delete Request transaction must be uploaded to FedEx to cancel Future Day shipments after Close.

**FedEx Express Hold At FedEx Location**

FedEx Express Hold at Location (HAL) service is available to customers who want to pick up a package at a designated FedEx location rather than have it delivered. For example, approved wine shippers may want to use the FedEx Express Hold at Location (HAL) service for consumers who prefer to pick up their wine shipments from a FedEx Office or FedEx Express Station counter location. HAL is also useful when shipping to a recipient who does not have a residential or office address. An additional charge is assessed for this service.

If your transaction specifies Hold At Location (field 1200 set to Y), you must specify the Hold at Location pick-up address for the nearest FedEx location offering the HAL service option. Select the FedEx pick-up location (designated FedEx Kinko’s Office and Print Centers®, FedEx Kinko’s® Ship Centers, or FedEx World Service Center®) by using the Web Services Drop-Off Locator (contact your FedEx customer integration consultant if you need assistance).

When you include this option, FedEx Express labels display "Hold at Location" to indicate that packages will not be delivered by a FedEx courier.
Transaction Rules for FedEx Express Hold at Location

Follow these rules to successfully code the Hold at Location service option for FedEx Express.

- To specify you want a package held at a FedEx pick-up location, include field 1200 (Hold at Location Flag) set to the value \(Y\).
- Be sure to include a contact name (field 12) and phone number (field 18) for the recipient. After a HAL package is received at the FedEx location, the recipient is notified by FedEx personnel that the package is available for pickup.
- Always include the address and phone number for the FedEx pick-up location you select.
- For shipments within the U.S., the Recipient address state must be the same state as the HAL pick-up location address.
- You can turn on the Hold at Location flag if you are also coding for one of these FedEx Express services:
  - FedEx Priority Overnight (Saturday service available) - field 1274 set to 01
  - FedEx 2Day (Saturday service available) - field 1274 set to 03
  - FedEx Standard Overnight - field 1274 set to 05
  - FedEx Express Saver - field 1274 set to 20
  - FedEx Express 1Day Freight U.S.- field 1274 set to 70
  - FedEx Express 2Day Freight U.S. - field 1274 set to 80
  - FedEx Express 3Day Freight U.S. - field 1274 set to 83
- You must include all required fields listed in Table 5-6.

### Table 5-6 Fields for FedEx Express Hold at Location Service

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Services</th>
<th>FedEx Shipping Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Recipient Contact Name</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| 12 | Max=35 | A | I | FDXE | All | **REQUIRED***. Contact name at the Recipient company. *Required if a recipient company is not provided. 
*Required for Hold at Location service. |
| **HAL Address** | | | | | |
| 44 | Max=35 | A | I | FDXE | All | Optional. Line 1 of the return address of the FedEx station where the package is held for pickup. Default is Recipient information. |
| **HAL City** | | | | | |
| 46 | Max=35 | A | I | FDXE | All | Optional. City of the FedEx station where package is held for pickup. Default is Recipient information. |
Saturday Pickup and Delivery Service

Saturday shipping pickup and delivery services are available for FedEx Express U.S. domestic package shipments. Saturday service is available to limited locations in Alaska. It is not available to Hawaii. An additional charge is assessed for this service. Charges are not applied to shipments rated as FedEx Express Multiweight.

Saturday Pickup

For U.S. package shipments, Saturday pickup is available with these FedEx Express services for an additional charge:

- FedEx First Overnight
- FedEx Priority Overnight
- FedEx Standard Overnight
- FedEx 2Day
- FedEx Express Saver

### Required Fields for FedEx Express Hold at Location Service

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input\Output</th>
<th>FedEx Shipping Services</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAL State</td>
<td>Max=2</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>All</td>
<td>Optional. State code of the FedEx station where package is held for pickup. Default is Recipient information. See Appendix C in the Transaction Coding Reference for a list of state codes.</td>
</tr>
<tr>
<td>HAL Postal Code</td>
<td>Max=10</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>All</td>
<td>Optional. Postal code of the FedEx station where package is held for pickup. Default is Recipient information.</td>
</tr>
<tr>
<td>HAL Phone Number</td>
<td>Max=15</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>All</td>
<td>Optional. Phone number of the FedEx station where package is held for pickup. Recipient phone number is used if you do not provide a number.</td>
</tr>
<tr>
<td>Hold at Location Flag</td>
<td>1200</td>
<td>Max=1</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>All</td>
</tr>
</tbody>
</table>

---

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**Saturday Delivery—FedEx Express U.S. Package Shipments**

Saturday delivery is available for an additional charge for the following FedEx Express services:

- FedEx Priority Overnight
- FedEx 2Day

**Saturday Delivery—FedEx Express U.S. Freight Shipments**

For FedEx Express U.S. freight shipments, Saturday pickup is available with the following services to several U.S. markets for an additional charge:

- FedEx 1Day Freight
- FedEx 2Day Freight

To determine if a Saturday delivery is available to your destination, go to fedex.com/us/expressfreight and select **Use Service Area Locator** or call 1.800.332.0807.

The Hold At FedEx Location service is not available with Saturday delivery for FedEx Express U.S. freight shipments. Do not code the FedEx Ship Manager Server fields for these two services together in the same transaction set.

**Saturday Pickup and Delivery Fields – FedEx Express**

When coding for Saturday service, use field 24 (Ship Date), field 1266 (Saturday Delivery Flag), and field 1267 (Saturday Pickup Flag) as described in Table 5-7.

*Table 5-7 FedEx Express Saturday Pickup and Delivery Fields*

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/ Output</th>
<th>FedEx Shipping Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field</td>
<td>required for Future Day shipping. Format: CCYYMMDD</td>
<td>date of shipment.</td>
<td>N</td>
<td>I</td>
<td>FDXE</td>
</tr>
<tr>
<td>Ship Date</td>
<td></td>
<td>Field Level: Shipment REQUIRED*</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Max=8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Saturday Delivery Flag</td>
<td></td>
<td>Specify Y if the shipment is to be delivered on a Saturday.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1266</td>
<td>Max=1</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>All</td>
</tr>
<tr>
<td><strong>Required Fields for FedEx Express Saturday Pickup and Delivery</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Transaction: 020 Global Ship Request</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Inside Pickup and Delivery—FedEx Express U.S. Freight Only

For those FedEx customers who do not have the necessary equipment to move freight shipments from or to their loading area, FedEx provides an inside pickup and delivery service to move shipments to areas adjacent to the loading area. The adjacent loading area is defined as a pickup site that is directly accessible from the curb and is no more than 50 feet inside the outermost door.

You may add an Inside Pickup or Inside Delivery request to the following FedEx Express Freight services. No special service contract is required.

- FedEx 1Day Freight
- FedEx 2Day Freight
- FedEx 3Day Freight

If additional breakdown of the shipment is required (for example, to fit the shipment through a doorway), additional charges may be assessed. FedEx does not provide package count or package verification when a breakdown of a freight shipment occurs at the delivery site.

Inside Delivery Charge

When requested, FedEx may move shipments to positions beyond the adjacent loading area. When a FedEx courier delivers a shipment per this request, FedEx assesses an inside delivery charge in addition to all other applicable charges. To flag a transaction for this charge, you must include field 1121 (Rate Return Code) in a 020 Global Ship Request transaction; for example, 1121, "Y".

Inside Delivery Flag

Table 5-8 describes the attributes of the Inside Delivery Flag field that you must use to specify an inside delivery for a FedEx Express U.S. freight shipment.
Alcohol Shipping

FedEx accepts shipments of alcohol (beer, wine, and spirits) within the U.S. and for both U.S. import and export when the shipper and the recipient are licensed to import and export alcohol.

Alcohol Shipping Rules

Before you can ship alcohol with FedEx, you must meet the following requirements:

- You must complete a Wine Shippers Agreement with FedEx. This agreement is available from your FedEx account executive.
- The shipper should identify the shipment as containing wine or alcohol by entering $AW in the Your Reference field for all shipments. If the shipper does identify field 1332 as containing alcohol, FedEx will overlay this field with $AW.
- FedEx packaging cannot be used for alcohol shipments.
- You must select 4—Adult Signature as the signature type in field 2399 (Signature Required Type). Field 51 (Signature Release) is not allowed for alcohol shipments.
- Every package containing wine is required to have a label affixed to it by the shipper identifying it as such. Your FedEx account executive can order these labels for you.
- If you have questions regarding your eligibility to ship alcohol, contact your FedEx customer support representative.
Shipping Dangerous Goods with FedEx Express U.S.

You can use FedEx Ship Manager Server transactions to ship dangerous goods (DG) for FedEx Express under International Air Transport Association (IATA) and 49 CFR Air regulations for Other Regulated Materials—Domestic (ORM-D). While any FedEx Express dangerous goods shipment can be shipped under IATA regulations, only the following destination shipments are shipped under ORM-D regulations:

- Intra-U.S. (Domestic)
- Puerto Rico—inbound and outbound
- U.S. Territories—inbound and outbound

**Identify Dangerous Goods Item Before You Ship**

Many common items are considered dangerous goods, including aerosol sprays, car batteries, fireworks, lighters, matches, paints and perfumes.

If you are not sure whether your commodity meets the criteria for dangerous goods or what dangerous goods identification and classification applies to your shipment, contact the U.S. Department of Transportation or FedEx Dangerous Goods Hotline.

Note: You can contact the U.S. Department of Transportation at 1.800.467.4922. If you have further questions about shipping dangerous goods with FedEx, call the FedEx Dangerous Goods/Hazardous Material Hotline—call 1.800.GoFedEx 1.800.463.3339 and say “dangerous goods”.

Note: See the FedEx Service Guide for limitations for dangerous goods shipments to Alaska, Hawaii and many international destinations.

**Dangerous Goods Shipping Restrictions**

You must prepare U.S. and international FedEx Express dangerous goods shipments as single piece shipments only. If you use Open Ship, any dangerous goods information entered after the CREATE transaction is ignored. If you print the 1421C form, Shipper’s Declaration for dangerous goods, only the dangerous goods information associated with the CREATE prints, and the remaining pages of the form are blank.

**Shipping Dangerous Goods in Excepted Quantities**

If shipping dangerous goods (DG) in quantities defined by the International Air Transport Association (IATA) as Excepted Quantities, full dangerous goods validation is not required.

If shipping Excepted Quantities, only field 1331 (Dangerous Goods/HazMat Flag) and field 1669 (Excepted Quantities Flag) are required. Field 1331 must be set to a value of E and field 1669 must be set to a value of Y.

Excepted Quantities shipments are not assessed a dangerous goods surcharge and no 1421C Shippers Declaration of Dangerous Goods is printed.
### Required Fields for Dangerous Goods in Excepted Quantities

Table 5-9 lists the fields to include in a 020 Global Ship Request transaction when shipping dangerous goods in excepted quantities.

**Table 5-9** Required Fields for Dangerous Goods in Excepted Quantities

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Service</td>
<td>Valid For</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dangerous Goods/HazMat Flag</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1331</td>
<td>Max=1</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>All</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Excepted Quantities Flag</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1669</td>
<td>Max=1</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>US INTL</td>
</tr>
</tbody>
</table>

### Dangerous Goods/HazMat Flag

- **Field Level:** Shipment
- **Required**: Indicates dangerous goods (DG) and/or hazardous materials (HazMat) are contained in the shipment.
- **Valid values are:**
  - A — Accessible Dangerous Goods (ADG)
  - I — Inaccessible Dangerous Goods (IDG)
  - E — Excepted Quantities
  - Q — Excepted Package Radioactive Reportable Quantity (EPRRQ)
  - Y — Shipment contains DG/HazMat
  - N — Shipment contains no DG/HazMat
- **Note:** Values are not case-sensitive. Values are not case-sensitive; “Q” and “q” both indicate EPRRQ.

### Excepted Quantities Flag

- **Indicates whether excepted quantities exist in shipment.**
- **Valid values are:**
  - Y — Excepted quantities exist
  - N — No excepted quantities (default)
- **Note:** Error 3094 returns when field 1669 is set to Y AND field 1331 (Dangerous Goods/HazMat Flag) is equal to one of these values:
  - A — Accessible DG
  - I — Inaccessible DG
  - Y — Shipment contains DG/hazmat
Table 5-10 shows the allowed combinations of values in fields 1331 and 1669.

**Table 5-10** Allowed Values for Fields 1331 and 1669

<table>
<thead>
<tr>
<th>1331</th>
<th>1669</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y</td>
<td>Y</td>
<td>Error</td>
</tr>
<tr>
<td>I</td>
<td>Y</td>
<td>Error</td>
</tr>
<tr>
<td>A</td>
<td>Y</td>
<td>Error</td>
</tr>
<tr>
<td>N</td>
<td>Y</td>
<td>Successful</td>
</tr>
<tr>
<td>I</td>
<td>N</td>
<td>Successful</td>
</tr>
<tr>
<td>A</td>
<td>N</td>
<td>Successful</td>
</tr>
<tr>
<td>E</td>
<td>Y or N</td>
<td>Successful</td>
</tr>
</tbody>
</table>

**Example of Dangerous Goods Excepted Quantities Transaction**

0,"020","DG - EPRRQ1","1","1154 Elm Lane","15","Portland","16","OR","17","97006","18","4132445657","23","1","25","Example Transaction","50","US","187","199","1869","1461","Metal Container","466","500","471","KG","476","484","9015551212","485","DG Signatory","489","iii","498","537","1273","01","1274","1","1331","q","1493","Y","1669","Y","1670","2500","1900","I","1903","Magnesium alloys","1904","N","1918","EI DuPont","1922","Warehouse","1932","1","99",""" |

**Dangerous Goods Technical Name**

Use field 446 (Dangerous Goods HazMat Technical Name) to specify the technical name for any dangerous goods shipped using FedEx Express.

This table describes field 446 for FedEx Express shipping.

**Table 5-11** Dangerous Goods Technical Name Field

<table>
<thead>
<tr>
<th>Dangerous Goods HazMat Technical Name</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Transactions:</strong> 020 Global Ship Request - Single Piece, Single Shot, Open Ship</td>
</tr>
<tr>
<td><strong>Field ID</strong></td>
</tr>
<tr>
<td>-------</td>
</tr>
<tr>
<td>446</td>
</tr>
</tbody>
</table>
Note: Prior to FedEx Ship Manager Server version 10.0.1, field 466 was used only for dangerous goods shipped using FedEx Express. The field is now used for both FedEx Ground hazardous materials and FedEx Express dangerous goods.

**Dangerous Goods Shipping Rules**

Shipments with dangerous goods must be tendered to FedEx Express in accordance with current International Air Transport Association (IATA) regulations for air transport and the FedEx Express Terms and Conditions. This is required regardless of the routing and whether they end up physically moving by air transportation, ground transportation, or any combination of these.

Note: The federal government requires every shipper to have job-specific dangerous goods training before tending a dangerous goods shipment to any air carrier. Register at [fedex.com](http://fedex.com) for government-mandated training. FedEx Express offers a full three-day course, a one-day refresher course for experienced shippers, and private seminars at your location. Call 1-800-GoFedEx 1-800-463-3339 and say “dangerous goods” for more information or see [fedex.com](http://fedex.com).

You may ship accessible and inaccessible dangerous goods within the U.S. using the FedEx Express shipping services listed below. When shipping, be aware that many FedEx drop-off locations cannot accept dangerous goods.

<table>
<thead>
<tr>
<th>Table 5-12 Service Options for Dangerous Goods</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FedEx Express Dangerous Goods U.S. Service Options</strong>&lt;sup&gt;1&lt;/sup&gt;</td>
</tr>
<tr>
<td><strong>Accessible Dangerous Goods</strong></td>
</tr>
<tr>
<td>- FedEx Priority Overnight</td>
</tr>
<tr>
<td>- FedEx 1Day Freight</td>
</tr>
<tr>
<td><strong>Inaccessible Dangerous Goods</strong></td>
</tr>
<tr>
<td>- FedEx Priority Overnight</td>
</tr>
<tr>
<td>- FedEx Standard Overnight</td>
</tr>
<tr>
<td>- FedEx 2Day</td>
</tr>
<tr>
<td>- FedEx Express Saver</td>
</tr>
<tr>
<td>- FedEx 1Day Freight</td>
</tr>
<tr>
<td>- FedEx 2Day Freight</td>
</tr>
<tr>
<td>- FedEx 3Day Freight</td>
</tr>
</tbody>
</table>

<sup>1</sup> Dangerous goods service is not available for FedEx First Overnight.

It is the shipper’s responsibility to identify, classify, package, mark, label and complete documentation for dangerous goods according to all national and international governmental regulations. In addition, FedEx can only accept Shipper’s Declarations for Dangerous Goods in typed or computer-generated formats, not handwritten. The shipper must provide three copies of the completed Shipper’s Declaration for Dangerous Goods for each shipment.

Note: Dry ice is not considered a dangerous goods. Therefore, no additional documentation is required for dry ice shipping.

**Creating a Dangerous Goods Transaction**

To help you complete FedEx Express dangerous goods shipments, FedEx Ship Manager Server includes an IATA spreadsheet in the C:\FedEx\FedEx_Tables\iata_03_2008.xls file. Refer to this spreadsheet when preparing FedEx Express dangerous goods shipments.

The input requirements for non-U.S. origin FedEx Express shipments containing dangerous goods were recently relaxed. Only two fields are required: field 1331 (Dangerous Goods/HazMat Flag) and field 492 (Dangerous Goods Class/DOT Hazard Class or Division Number).

If you want FedEx Ship Manager Server to print the 1421C Shipper’s Declaration of Dangerous Goods form, you must include the reference fields described later in this section. The 1421C can be printed as a multi-ply
form using a dot matrix printer or you can print this form on a laser printer using special 1421C paper (plain paper with a border of red cross-hatches). The 1421C plain paper form can be obtained from your FedEx supply source. The 1421C is produced at the time of shipment confirmation. See Chapter 3: Coding Transactions for FedEx Express U.S. Service for an example of the 1421C form.

For U.S. and international FedEx Express dangerous goods shipments, you can ship up to five unique UN ID Numbers under a single tracking number. You can prepare a shipment as a single transaction with the required multiple occurrence fields repeated up to five times.

**Fields Required for FedEx Express Dangerous Goods**

Table 5-13 shows the required fields for a dangerous goods transaction request.

**Table 5-13 Fields Required for FedEx Express Dangerous Goods Shipment**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
</table>
| Dangerous Goods/HazMat Flag | 1331 | Max=1 | A | I | FDXE | All | **Field Level:** Shipment
*REQUIRED*
Indicates dangerous goods (DG) and/or hazardous materials (HazMat) are contained in the shipment.
*Required if shipping hazardous materials (hazmat) or dangerous goods ORM-D.
Set to Q to indicate shipment contains EPRRQ commodity.
Valid values are:
A—Accessible Dangerous Goods (ADG)
I—Inaccessible Dangerous Goods (IDG)
E—Excepted Quantities
Q—Excepted Package Radioactive Reportable Quantity (EPRRQ)
Y—Shipment contains DG/HazMat
N—Shipment contains no DG/HazMat
Values are not case-sensitive.
Note: Values are not case-sensitive; “Q” and “q” both indicate EPRRQ. |

| Dangerous Goods Class/DOT Hazard Class or Division Number | 492 | Max=5 | A | I | FDXE | All | **REQUIRED**.
Government classification of the dangerous goods (DG) item.
This class/division determines whether the DG is categorized as accessible or inaccessible.
*Required for radioactive materials.
See the *FedEx Service Guide* for more details. |
Adding Dangerous Goods Packages to Shipments

Use these fields when adding dangerous goods packages to a FedEx Express shipment. You may add only up to five (5) UN ID numbers in a single shot transaction with multiple-occurrence fields.

See the FedEx Ship Manager Server Transaction Coding Reference for a complete list of dangerous goods (DG) fields, including fields required for radioactive and infectious goods (DG Class 6.2).

Table 5-14 Fields for Adding Dangerous Goods to a FedEx Express Shipment

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Valid For</th>
<th>FedEx Shipping Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dangerous Goods HazMat Technical Name</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| 446-#   | Max=50       | N         | I            | FDXE                    | All       | **Field Level: Shipment REQUIRED**.*  
Technical name of the hazardous materials (HazMat) or dangerous goods (DG) being shipped.  
*Required if the proper shipping name ends in "*" in the International Air Transport Association (IATA) Dangerous Goods (DG) Regulations manual. Otherwise, the field is optional and not required for shipping.  
*Not required if DG class is radioactive.  
Note: Maximum of five (5) field occurrences is allowed. See Section 4.1.2 of the IATA DG Regulations. |
| Dangerous Goods UN Number/Identification Number |
| 451-#   | Max=4        | N         | I            | FDXE                    | All       | **Field Level: Shipment REQUIRED**.*  
UN number of the dangerous goods shipment.  
*Required for dangerous goods shipments if field 1900 is set to I—IATA.  
*Required if field 1493 (DG/HazMat Form Print Flag) is set to Y and printing the FedEx Ground Hazardous Materials Shipping Paper, OP-900.  
See Table 4.2 column A of the IATA DG Regulations for non-radioactive DG and Section 10.4.1 for radioactive DG. The IATA regulations limit the EPRRX designation to a small subset of UN numbers. |
| Dangerous Goods Number of Units |
| 456-#   | Max=5        | N         | I            | FDXE                    | All       | **REQUIRED**.  
Specify the number of dangerous goods packages within the shipment. |
| Dangerous Goods Packing Type |
| 461-#   | Max=35       | A         | I            | FDXE                    | All       | **Field Level: Shipment REQUIRED**.*  
Specify packing type used for the dangerous goods shipment.  
*Required for dangerous goods shipments, unless the DG class is radioactive. Not required if DG class is radioactive. See Section 5 of the IATA DG Regulations. |
<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>466-#</td>
<td>Max=6.2</td>
<td>N</td>
<td>I</td>
<td>FDXE</td>
<td>US</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>Field Level:</strong> Shipment <strong>REQUIRED</strong>. Specify the net quantity of the dangerous goods shipment being shipped. Use in conjunction with field 471 to specify the unit of measure. <em>Not required if DG class is radioactive.</em></td>
</tr>
</tbody>
</table>

**Dangerous Goods/HazMat Unit of Measure (UOM)**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>471-#</td>
<td>Max=4</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>US</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>Field Level:</strong> Shipment <strong>REQUIRED</strong>. Specify the unit of measure of the dangerous goods (DG) quantity (field 466). Must match the selected DG per the IATA DG Regulations.; for example, ml, L, g, kg, kg G. Note: Lbs may be used if field 1900 (Dangerous Goods Regulation Indicator) is set to O. See Appendix B.2.2 of the IATA DG Regulations for acceptable abbreviations. <em>Not required if DG class is radioactive.</em></td>
</tr>
</tbody>
</table>

**Dangerous Goods Packing Instructions**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>476-#</td>
<td>Max=4</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>US</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>Field Level:</strong> Shipment Optional. Specify packing instruction number from column G, I, or K of the IATA DG Regulations manual. Use plain text. Not required if DG class is radioactive or &quot;Not Restricted&quot;.</td>
</tr>
</tbody>
</table>

**Dangerous Goods Authorization**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>483-#</td>
<td>Max=148</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>US</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>Field Level:</strong> Shipment <strong>REQUIRED</strong>. Authorization of the dangerous goods being shipped. <em>Not required if DG class is radioactive. Use this field in a single shot or Open Ship transaction for a U.S. shipment.</em></td>
</tr>
</tbody>
</table>

**Dangerous Goods Emergency Phone Number**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>484</td>
<td>Max=15</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>US</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>Field Level:</strong> Shipment <strong>REQUIRED</strong>. Specify the emergency telephone number to be contacted for the shipment unless the packing instruction has a Y prefix or has one of the following UN #’s: 1845, 2807, 2857, 2969, 3166, 3171, 3358, 8000. <em>Required for dangerous goods shipments if field 1900 is set to I—IATA. See Table 4.2 column A of the IATA DG Regulations for non-radioactive DG and Section 10.4.1 for radioactive DG. The IATA regulations limit the EPRRQ designation to a small subset of UN numbers.</em></td>
</tr>
</tbody>
</table>
### Dangerous Goods Title of Signatory

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>485</td>
<td>Max 35</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>US</td>
</tr>
</tbody>
</table>

**Field Level:** Shipment REQUIRED*. Specify the title of the signatory for the shipment.

*Required for dangerous goods shipment if field 1900 is set to I—IATA.

See Table 4.2 column A of the IATA DG Regulations for non-radioactive DG and Section 10.4.1 for radioactive DG.

### Dangerous Goods Additional Handling Information

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>486</td>
<td>Max 175</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>US</td>
</tr>
</tbody>
</table>

**Field Level:** Shipment REQUIRED*. Additional handling information that may apply to the dangerous goods shipment; DG only.

*Not required if DG class is radioactive.

### DG Cargo Aircraft Only Flag

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>488-#</td>
<td>Max 1</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>US</td>
</tr>
</tbody>
</table>

**REQUIRED**. Indicates whether the dangerous goods (DG) item is only allowed for cargo aircraft.

Valid values are:

- Y—Cargo aircraft only
- N—Multiple aircraft - passenger or cargo aircraft

This field is necessary only if multiple aircraft types (passenger versus cargo aircraft) exist for the shipment and the maximum net quantities are different. If the multiple aircraft types exist along with multiple packing groups, this flag determines which packing group and aircraft type combination will be used.

*Required if a cargo aircraft packing instruction from the IATA DG Regulations is used. See Table 4.2 column K of the IATA DG Regulations.

See the FedEx Service Guide for more information or dial 1.800.GoFedEx 1.800.463.3339 and press 81 for dangerous goods.
### Required Fields for FedEx Express Dangerous Goods Packages

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
</table>
| 489-#    | Max=3        | A         | I            | FDXE                    | US        | **Field Level:** Shipment REQUIRED*. Specify the appropriate packing group for the dangerous goods (DG) being shipped.  
*Required for DG shipments that have a potential for numerous packing groups.  
*Required if 1493 (DG/HazMat Form Print Flag) is set to Y and you are printing the FedEx Ground Hazardous Materials Shipment Paper, OP-900.  
*Not required if DG class is radioactive.  
Valid values are:  
I—Packing Group I  
II—Packing Group II  
III—Packing Group III  
This field can be entered as one blank (spacebar) for dangerous goods that do not have a packing group. Entries must be made as Roman Numerals. |

---

**FedEx Express® Other Regulated Materials-Domestic (ORM-D)**

If you ship FedEx Express DG ORM-D packages within the U.S., you must include the Dangerous Goods Packing Type (field 461) in the 020 Global Ship Request transaction. This new ORM-D rule applies to all FedEx Express U.S. domestic dangerous goods ORM-D shipments.

You may ship FedEx Express dangerous goods using the Open Ship or Single Piece shipping method. You may not use the Single Shot method.

Field 461 (Dangerous Goods Packing Type) for ORM-D shipments prints the packaging type on the shipper’s declaration (1421C Form -- form feed or laser format) and includes the number of pieces, net quantity, and unit of measure.

Table 5-15 lists the required fields for a successful FedEx Express DG ORM-D transaction.
### About Excepted Package Radioactive Reportable Quantity (EPRRQ)

Excepted package radioactives must have a reportable quantity (RQ) and require a modified version of the Shipper’s Declaration in order to ship.

The ability to ship EPRRQ commodities is supported by all FedEx Express services where dangerous goods are currently allowed. These include:

- Transborder Distribution – Canada (CA) and Mexico (MX)
- International Priority DirectDistribution
- International Priority DirectDistribution Freight

Note: EPRRQ commodities are only permitted when and where "inaccessible dangerous goods" commodities are permitted and IATA Validation occurs.

#### Shipping EPRRQ Commodities

Excepted Package Radioactive Reportable Quantity (EPRRQ) commodities can be shipped using the 020/120 Global Ship Request/Reply transaction with these shipping methods:

- Single Piece
- Open Ship Print-As-You-Go (PAYG) mode (intra-U.S. only)
- Open Ship (regular, Transborder Distribution, FedEx International Priority DirectDistribution and FedEx International Priority DirectDistribution Freight)

Note: Single Shot is not supported. All multiple-piece dangerous goods shipments must be shipped using the Open Ship shipping method.

**To indicate that a shipment contains ERPPQ commodities**

Use the flag code “Q” for EPRRQ in field 1331 (Dangerous Goods/HazMat Flag).
**Table 5-16** Field 1331 - Code for Excepted Package Radioactive Reportable Quantity

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1331</td>
<td>Max=1</td>
<td>A</td>
<td>I/O</td>
<td>FDXE</td>
<td>All</td>
</tr>
</tbody>
</table>

**Field Level:** Shipment REQUIRED*
Indicates dangerous goods (DG) and/or hazardous materials (HazMat) are contained in the shipment.
*Required if shipping hazardous materials (hazmat) or dangerous goods ORM-D.
Set to Q to indicate shipment contains EPRRQ commodity.
Valid values are:
- **A**—Accessible Dangerous Goods (ADG)
- **I**—Inaccessible Dangerous Goods (IDG)
- **E**—Excepted Quantities
- **Q**—Excepted Package Radioactive Reportable Quantity (EPRRQ)
- **Y**—Shipment contains DG/HazMat
- **N**—Shipment contains no DG/HazMat
Values are not case-sensitive.
Note: Values are not case-sensitive; “Q” and “q” both indicate EPRRQ.
# EPRRQ Required Transaction Fields

If the 020 Global Ship Request transaction passes field 1331 (Dangerous Goods/HazMat Flag) as set to “Q” or “q”, the fields listed in Table 5-17 are required.

**Table 5-17 Required 020 Transaction Fields for EPRRQ**

<table>
<thead>
<tr>
<th>Transaction Description</th>
<th>EPRRQ Required Fields</th>
<th>Valid Values</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Shipping Transaction - Single Piece, Open Ship</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1331-# Dangerous Goods/HazMat Flag</td>
<td><strong>Field Level:</strong> Shipment</td>
<td><strong>REQUIRED</strong>&lt;sup&gt;*&lt;/sup&gt;</td>
</tr>
<tr>
<td></td>
<td>When set to Q, indicates shipment contains Excepted Package Radioactive Reportable Quantity (EPRRQ) commodity.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>*Required if shipping dangerous goods.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Valid value for EPRRQ is:</td>
<td><strong>Q</strong>—Excepted Package Radioactive Reportable Quantity (EPRRQ)</td>
</tr>
<tr>
<td></td>
<td>Note: Values are not case-sensitive; “Q” and “q” both indicate EPRRQ.</td>
<td></td>
</tr>
<tr>
<td>1900 Dangerous Goods Regulation Indicator</td>
<td><strong>Field Level:</strong> Shipment</td>
<td><strong>REQUIRED</strong>.</td>
</tr>
<tr>
<td></td>
<td>Set to “I” to indicate IATA regulations apply (1900, “I”).</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Valid value is:</td>
<td><strong>I</strong>—IATA regulations apply (default).</td>
</tr>
<tr>
<td>451 Dangerous Goods UN Number/Identification Number</td>
<td><strong>Field Level:</strong> Shipment</td>
<td><strong>REQUIRED</strong>&lt;sup&gt;*&lt;/sup&gt;.</td>
</tr>
<tr>
<td></td>
<td>UN number of the dangerous goods shipment.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>*Required for dangerous goods shipments if field 1900 is set to I—IATA.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>*Required if field 1493 (DG/HazMat Form Print Flag) is set to Y and printing the FedEx Ground Hazardous Materials Shipping Paper, OP-900.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>See Table 4.2 column A of the IATA DG Regulations for non-radioactive DG and Section 10.4.1 for radioactive DG.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>The IATA regulations limit the EPRRQ designation to a small subset of UN numbers.</td>
<td></td>
</tr>
<tr>
<td>484 Dangerous Goods Emergency Phone Number</td>
<td><strong>Field Level:</strong> Shipment</td>
<td><strong>REQUIRED</strong>&lt;sup&gt;*&lt;/sup&gt;.</td>
</tr>
<tr>
<td></td>
<td>Specify the emergency telephone number to be contacted for the shipment unless the packing instruction has a Y prefix or has one of the following UN #s: 1845, 2807, 2857, 2969, 3166, 3171, 3358, 8000.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>*Required for dangerous goods shipments if field 1900 is set to I—IATA.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>See Table 4.2 column A of the IATA DG Regulations for non-radioactive DG and Section 10.4.1 for radioactive DG.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>The IATA regulations limit the EPRRQ designation to a small subset of UN numbers.</td>
<td></td>
</tr>
<tr>
<td>485 Dangerous Goods Title of Signatory</td>
<td><strong>Field Level:</strong> Shipment</td>
<td><strong>REQUIRED</strong>&lt;sup&gt;*&lt;/sup&gt;.</td>
</tr>
<tr>
<td></td>
<td>Specify the title of the signatory for the shipment.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>*Required for dangerous goods shipment if field 1900 is set to I—IATA.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>See Table 4.2 column A of the IATA DG Regulations for non-radioactive DG and Section 10.4.1 for radioactive DG.</td>
<td></td>
</tr>
</tbody>
</table>
### EPRRQ Required Transaction Fields

<table>
<thead>
<tr>
<th>Transaction</th>
<th>EPRRQ Required Fields</th>
<th>Valid Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>1903-#</td>
<td>Dangerous Goods Proper Shipping Name / Department of Transportation (DOT) Shipping Name of Material</td>
<td>Field Level: Shipment REQUIRED*. Specify the proper shipping name from the IATA DG Regulations for the dangerous goods shipment being shipped. This name cannot have &quot;waste&quot; included in it. *Required for dangerous goods shipments if field 1900 is set to I—IATA. Note: Only the first 50 characters print on the FedEx Ground Hazmat OP-900 report. See Table 4.2 column B of the IATA DG Regulations for non-radioactive DG and Section 10.4.1 for radioactive DG.</td>
</tr>
<tr>
<td>1918</td>
<td>Dangerous Goods Name of Signatory</td>
<td>Field Level: Shipment REQUIRED*. Specify the name of the signatory for the shipment. *Required for shipment if field 1331 = Q.</td>
</tr>
<tr>
<td>1922</td>
<td>Dangerous Goods Place of Signatory</td>
<td>Field Level: Shipment REQUIRED*. Specify the place of the signatory for the shipment. Minimum requirement is the name of the city. *Required for shipment if field 1331 = Q.</td>
</tr>
</tbody>
</table>

### EPRRQ Optional Transaction Fields

Optional fields when field 1331 is set to “Q” or “q” for Excepted Package Radioactive Reportable Quantity (EPRRQ). This list is not inclusive.

<table>
<thead>
<tr>
<th>Transaction</th>
<th>EPRRQ Required Fields</th>
<th>Valid Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>476-#</td>
<td>Dangerous Goods Packing Instructions</td>
<td>Field Level: Shipment Optional. Specify packing instruction number from column G, I, or K of the IATA DG Regulations manual. Use plain text. Not required if DG class is radioactive or “Not Restricted”.</td>
</tr>
<tr>
<td>466-#</td>
<td>Dangerous Goods/HazMat Quantity</td>
<td>Field Level: Shipment Specify the net quantity of the dangerous goods shipment being shipped. Use in conjunction with field 471 to specify the unit of measure. *Not required if DG class is radioactive.</td>
</tr>
<tr>
<td>Transaction</td>
<td>EPRRQ Required Fields</td>
<td>Valid Values</td>
</tr>
<tr>
<td>-------------</td>
<td>-----------------------</td>
<td>--------------</td>
</tr>
<tr>
<td><strong>020/120 Global Ship Request/Reply</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Shipping Transaction - Single Piece, Open Ship</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>446-#</td>
<td>Dangerous Goods HazMat Technical Name</td>
<td>Field Level: Shipment REQUIRED*. Technical name of the hazardous materials (HazMat) or dangerous goods (DG) being shipped. <em>Required if the proper shipping name ends in &quot;</em>&quot; in the International Air Transport Association (IATA) Dangerous Goods (DG) Regulations manual. Otherwise, the field is optional and not required for shipping.*Not required if DG class is radioactive. Note: Maximum of five (5) field occurrences is allowed. See Section 4.1.2 of the IATA DG Regulations.</td>
</tr>
<tr>
<td>461-#</td>
<td>Dangerous Goods Packing Type</td>
<td>Field Level: Shipment REQUIRED*. Specify packing type used for the dangerous goods shipment. *Required for dangerous goods shipments, unless the DG class is radioactive. Not required if DG class is radioactive. See Section 5 of the IATA DG Regulations.</td>
</tr>
<tr>
<td>471-#</td>
<td>Dangerous Goods/HazMat Unit of Measure (UOM)</td>
<td>Field Level: Shipment REQUIRED*. Specify the unit of measure of the dangerous goods (DG) quantity (field 466). Must match the selected DG per the IATA DG Regulations.; for example, ml, L, g, kg, kg G. Note: Lbs may be used if field 1900 (Dangerous Goods Regulation Indicator) is set to O. See Appendix B.2.2 of the IATA DG Regulations for acceptable abbreviations. *Not required if DG class is radioactive.</td>
</tr>
<tr>
<td>486</td>
<td>Dangerous Goods Additional Handling Information</td>
<td>Field Level: Shipment REQUIRED*. Additional handling information that may apply to the dangerous goods shipment; DG only. *Not required if DG class is radioactive.</td>
</tr>
</tbody>
</table>
Table 5-18 EPRRQ Optional 020 Transaction Fields (continued)

<table>
<thead>
<tr>
<th>Transaction</th>
<th>EPRRQ Required Fields</th>
<th>Valid Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>020/120 Global Ship Request/Reply</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shipping Transaction - Single Piece, Open Ship</td>
<td></td>
<td></td>
</tr>
<tr>
<td>489-# Dangerous Goods/HazMat Packing Group</td>
<td><strong>Field Level:</strong> Shipment <em>REQUIRED</em>: Specify the appropriate packing group for the dangerous goods (DG) being shipped. *Required for DG shipments that have a potential for numerous packing groups. *Required if 1493 (DG/HazMat Form Print Flag) is set to Y and you are printing the FedEx Ground Hazardous Materials Shipping Paper, OP-900. *Not required if DG class is radioactive. Valid values are: I—Packing Group I II—Packing Group II III—Packing Group III This field can be entered as one blank (spacebar) for dangerous goods that do not have a packing group. Entries must be made as Roman Numerals.</td>
<td></td>
</tr>
<tr>
<td>1679 DG Printer ID</td>
<td>Optional. UNC ID of the printer used to print dangerous goods forms if different than the printer in the FSMS Configuration Utility or if no printer is configured.</td>
<td></td>
</tr>
<tr>
<td>1680 DG Printer Form Type</td>
<td>Optional. Indicates the type of printer used to print dangerous goods (DG) forms. You must match the field occurrence number (for example, 1680-1) with the occurrence number of field 1373 (Report Code) for the type of DG form you request. Valid values are: 01—Form Feed (default) 02—Laser Note: While you can designate a printer to print DG forms using field 568 (Report Directory), field 1680 allows you to designate a separate printer for this form type if you use a pin-feed or laser printer specifically designated as your “Dangerous Goods” printer. Setting up a separate DG printer using field 1680 eliminates the need for changing paper stock in your report printer.</td>
<td></td>
</tr>
</tbody>
</table>
Table 5-18 EPRRQ Optional 020 Transaction Fields (continued)

<table>
<thead>
<tr>
<th>Transaction</th>
<th>EPRRQ Required Fields</th>
<th>Valid Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>020/120 Global Ship Request/Reply</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Shipping Transaction - Single Piece, Open Ship</td>
<td></td>
</tr>
<tr>
<td>1904</td>
<td>Dangerous Goods A1, A2, A51, A109 Flag</td>
<td><strong>Field Level:</strong> Shipment&lt;br&gt;Optional. Indicates dangerous goods (DG) are being shipped under one of the special provisions (A1, A2, A51, A109) listed in the International Air Transport Association (IATA) DG Regulations Manual. Valid values are:&lt;br&gt;Y—Shipping under special provision&lt;br&gt;N—Not shipping under special provision</td>
</tr>
<tr>
<td>1919</td>
<td>Dangerous Goods Percentage Number</td>
<td><strong>Field Level:</strong> Shipment&lt;br&gt;REQUIRED*. Specify the percentage of dangerous goods concentration.&lt;br&gt;*Required if the dangerous goods UN Number is 2031, 1796, 1826, or 1873.&lt;br&gt;*Not required if DG class is radioactive.</td>
</tr>
</tbody>
</table>

**EPRRQ Labels**

No Dangerous Goods Human Readable Indicators (IDG or ADG) are printed in the ASTRA section of the label for EPRRQ. Excepted Package Radioactive (EPRRQ) shipments are not considered to be a dangerous goods shipment.

See Chapter 3: FedEx Ship Manager Server Label and Form Transactions for information about printing EPRRQ labels.
Dry Ice

FedEx Ship Manager Server allows you to ship packages containing dry ice as long as the specifics for the shipment are included in the shipping transaction.

Dry Ice Shipping Transaction Rules

The following shipping rules apply:

• Use a 020/120 Global Ship Request/Reply transaction to ship dry ice using FedEx Express U.S.
• Use field 75 (Weight Units) to specify the unit of weight for the shipment weight. All package weights, including the dry ice weight, must use the same weight units.
• Check to make sure that the weight you enter for the dry ice in field 1684 (Dry Ice Weight) is less than the total weight of the shipment. To provide transactional consistency, field 1684 has two implied decimal parameters and is accepted in either pounds or kilograms depending on the weight type chosen for the entire shipment in field 75.
• Do not use a dangerous goods flag when shipping dry ice. Dry Ice is considered a packing material and does not require any dangerous goods fields for shipping.

Dry Ice Surcharge Applicable Services

The Dry Ice Surcharge is applied as appropriate for non-return shipments for the following services:

• FedEx Express -- U.S. Domestic
  · FedEx First Overnight
  · FedEx Standard Overnight
  · FedEx Priority Overnight
  · FedEx 2Day
  · FedEx Express Saver

1Applies to the U.S. Domestic portion of FedEx Transborder Distribution shipments Canada (CA) to U.S. and U.S. to Canada. U.S. Domestic includes U.S. to Puerto Rico (PR) and Puerto Rico to U.S. shipments.
Returned Dry Ice Surcharge Fields

FedEx Express® shipments that include packages that contain dry ice have a Dry Ice Surcharge applied. Dry ice surcharges are assessed only for shipments that do not contain other dangerous goods. If a shipment contains both dry ice and dangerous goods (accessible/inaccessible), only the dangerous goods fees are assessed.

The following shipping methods are appropriate:

- FedEx Express International-- Single Piece, Single Piece CONFIRM in Open Ship, and MPS Single Shot/ Open Ship

Table 5-19 describes the returned fields that contain the dry ice surcharge.

| Table 5-19 Dry Ice Surcharge and List Dry Ice Surcharge Fields |

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4914-#</td>
<td>Max=11.2</td>
<td>A</td>
<td>O</td>
<td>FDXE</td>
<td>All</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Field Level: Package Returned value is the Dry Ice Surcharge amount.</td>
</tr>
<tr>
<td>4915-#</td>
<td>Max=11.2</td>
<td>A</td>
<td>O</td>
<td>FDXE</td>
<td>All</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Field Level: Package Returned value is the list Dry Ice Surcharge amount.</td>
</tr>
</tbody>
</table>

Dynamic Surcharging for Dry Ice

The two Dynamic Surcharge fields, field 1947 Dynamic Surcharge Code and field 1945 List Dynamic Surcharge Code, include a code for dry ice: 680—Dry Ice

When you enable dynamic surcharging for dry ice, FedEx supports new surcharges within FedEx Ship Manager Server without requiring that you upgrade to newer versions of FedEx Ship Manager Server. This ability is not supported with individual field surcharging. New surcharges show up as another occurrence of the dynamic surcharge multiple occurrence field with the dry ice code.

The dynamic dry ice surcharge returns in a 120 Global Ship Reply transaction.

Returning the Dry Ice Surcharge in Transactions

Before you can return Dry Ice Surcharge amounts, you must configure your FSMS client system to successfully download list rates. Choose from one of the following options to set up dry ice surcharge rates on your system:

- Check the List Rates check box on the Meter Setting tab of the FSMS Configuration Utility
- Include field 3062 (Rate Quote Type) set to 2—List rates and discount rates in a 020 Global Ship Request transaction

The Dry Ice Surcharge amount is returned in the 120 Global Ship Reply transaction using field 4914 (Dry Ice Surcharge) and field 4915 (List Dry Ice Surcharge).
If the shipper configures an FSMS client for Dynamic Surcharges, the 120 Global Ship Reply transaction returns the Dry Ice code – 680 in field 1947 (Dynamic Surcharge Code), as well as the Dry Ice code – 680 in field 1945 (List Dynamic Surcharge Code).

Note: It is critical that List Rates be downloaded to a device and/or implemented prior to requesting the above surcharges. List Rates cannot be returned by a 120 Global Ship Reply transaction when List Rates are not properly implemented on the shipper’s device. List rates are courtesy rates only and reflect rates listed in FedEx rate tables on fedex.com.

Table 5-20 summarizes the different ways to request the Dry Ice Surcharge using the 020 Global Ship Request, 025 Rate All Services Request or 050 Service Type and Special Services transaction. These transactions assume that there is data present in the Request transaction that requires the Dry Ice Surcharge.

**Table 5-20 Ways to Request Dry Ice Surcharge**

<table>
<thead>
<tr>
<th>Transaction</th>
<th>EPRRQ Required Fields</th>
<th>Valid Values</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>020 Global Ship Request</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rating Transaction: Single Piece, Single Shot, MPS Single Shot, Open Ship</td>
<td>Returns fields 4914 and 4915 for Dry Ice Surcharge or 1947 and 1945 for Dynamic Surcharges in 120 Global Ship Reply transaction</td>
<td></td>
</tr>
<tr>
<td>3062</td>
<td>Rate Quote Type</td>
<td>Use to indicate the type of rates to return in the 125 Global Ship Reply transaction. Set value to: 2—List rates and discount rates</td>
</tr>
<tr>
<td>1234</td>
<td>Rate/Route/Time-in-Transit Flag</td>
<td>Set to one of these values: 1—Rate quote 3—Rate quote and Route/Time-in-Transit</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>541</td>
<td>Open Ship Flags</td>
<td>Position 3 (Rate) set to Y NNYNNNNNN</td>
</tr>
<tr>
<td><strong>025 Rate All Services Request</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rating Transaction</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Returns fields 4914 and 4915 for Dry Ice Surcharge or 1947 and 1945 for Dynamic Surcharges in 125 Rate All Services Reply transaction</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1234</td>
<td>Rate/Route/Time-in-Transit Flag</td>
<td>Set to one of these values: 1—Rate quote 3—Rate quote and Route/Time-in-Transit</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>050 Service Type and Special Services Request</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rating Transaction</td>
<td>Returns fields 4914 and 4915 for Dry Ice Surcharge or 1947 and 1945 for Dynamic Surcharges in 150 Service Type and Special Services Reply transaction</td>
<td></td>
</tr>
<tr>
<td>1989</td>
<td>Transaction Function</td>
<td>04 —Dry Ice</td>
</tr>
</tbody>
</table>
FedEx Express Domestic Billed Weight

When shippers use the 020/120 Global Ship Request/Reply transaction to ship and rate packages, if they use Pay Type field 23 and select Bill Recipient (23, "2") or Bill Third Party (23, "3"), FSMS will return the shipper's list billed weight in field 60 (Billed Weight).

Note: To return FedEx Express billed weight, you must enable list rates in the FSMS Configuration Utility by checking the list rates check box in the Meters Settings screen and successfully downloading the list rates.

Table 5-21 FedEx Express Domestic Billed Weight

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input\Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>60</td>
<td>Max=9.1</td>
<td>N</td>
<td>I/O</td>
<td>FDXE</td>
<td>US CA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Service</th>
<th>Valid For</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Returned value is the billed weight for packages in the shipment. This weight is used in rating calculations (dim weight if greater than actual weight). Only available for shipments with U.S. and Canada (CA) origins. Two implied decimal places for weight in KGS. No implied decimal place for LBS.</td>
<td>FDXE</td>
<td>US CA</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
FedEx Express U.S. Transaction Samples

The following sections include transaction samples for FedEx Express U.S. services:

**FedEx Express U.S. Shipping Transactions**

The following sample code shows 020 Global Ship Request FedEx Express transactions for both single and multiple-piece shipments that have their shipping origin and destination within the United States.

**Single Shot Multiple-Piece FedEx Express Shipment with Reference Fields**

```
```

**Single Piece FedEx Express U.S. Domestic Shipment**

```
```

**Single Piece FedEx Express U.S. Shipment with ShipAlert and Sender Delivery Notification**

```
```

**Single Piece FedEx Express U.S. Shipment with Collect on Delivery and Third-Party Return Address**

```
```

**Single Piece FedEx Express U.S. with Collect on Delivery**

```
```
FedEx Express U.S. Freight Shipping Transaction

This code example shows how to ship a package in a single transaction (Single Shot method) when requesting the FedEx Express Freight service.

Example A

```
```

Example B

```
```

FedEx Express Dangerous Goods Transactions

The following 020 Global Ship Request transactions ship dangerous goods shipments using FedEx Express U.S. domestic service.

Single Dangerous Goods Package with Service Options

This transaction fields for FedEx Express service options, such as Dry Ice and Hold at Location, which are turned off (set to \texttt{N}) in this transaction.

```
```

Single Dangerous Goods Package with Custom Label

```
```
Single Package Containing Nitric Acid in a Metal Container Without Custom Label


Dangerous Goods Radioactive Type B Material Shipment


Dangerous Goods Radioactive Material Shipment


Single Infectious Dangerous Goods Package—1


Single Infectious Dangerous Goods Package—2


Single Infectious Dangerous Goods Package—3

FedEx Express Return Transactions

This sample shows a single piece shipment with Return address to Sender using FedEx Express U.S. domestic service.

FedEx Delivery Signature Option Transactions

The following code samples show FedEx Express shipping transactions for three delivery signature options: Indirect Signature (2399, "2"), Direct Signature (2399, "3") and Adult Signature (2399, "4")

FedEx Express Priority Overnight with Saturday Pickup and Indirect Signature Options

FedEx Express Priority Overnight with Direct Signature

FedEx Express Priority Overnight with Adult Signature

FedEx Express Basic Streamlined Transaction

This FedEx Express transaction receives sender and other shipment information from the meter configuration in the FSMS Configuration Utility. For this reason, the number of fields required to complete the transactions is minimal.

FedEx Express Sample
CHAPTER 6: CODING TRANSACTIONS FOR FEDEX GROUND U.S. SERVICES

When selecting a ground delivery service, choose FedEx Ground® U.S. for economical delivery to U.S. business addresses and choose FedEx Home Delivery® for delivery to U.S. residences. Both services are available throughout the 50 United States and offer day-definite delivery based on the distance to destination.

This chapter describes how to code FedEx Ground U.S. and FedEx Home Delivery shipping transactions.

It includes these sections:

- About FedEx Ground U.S. Service Shipping Transactions
- Transaction Rules and Restrictions for FedEx Ground U.S.
- Coding Guidelines for FedEx Ground U.S. Transactions
- Transaction Fields for FedEx Ground U.S.
- FedEx Home Delivery Premium Service Upgrades
- Shipping Service Options for FedEx Ground U.S.
- FedEx Ground Tracking Numbers
- FedEx Ground End-of-Day (EOD) Reports
- FedEx Ground U.S. Transaction Samples
About FedEx Ground U.S. Service Shipping Transactions

FedEx Ship Manager Server transactions must be formatted according to rules specified in the transaction code reference tables described in the FedEx Ship Manager Server Transaction Coding Reference guide.

Use the 020/120 Global Ship Request/Reply transactions to create FedEx Ground and FedEx Home Delivery shipment transactions.

Use the 023/123 Global Delete Request/Reply transactions to delete FedEx Ground and FedEx Home Delivery shipments.

See the FedEx Ship Manager Server Services and Shipping Guide for information about FedEx Ground U.S. and FedEx Home Delivery service features and details.

Available Shipping Methods for FedEx Ground U.S.

The transaction shipping methods available for FedEx Ground U.S. packages are:

- Single Shot
- Multiple-Piece Shipment (MPS)
- Open Ship

For information about FSMS transaction shipping methods, see Chapter 2: About FedEx Ship Manager Server Transactions.

FedEx Ground U.S. Open Ship

You can use the FedEx Ship Manager Server Open Ship shipping method to ship FedEx Ground U.S. shipments.

For information about how to process an Open Ship shipment, see Chapter 4: FedEx Ship Manager Server Open Ship Transactions.

FedEx Ground U.S. Multiple-Piece Shipments

A multiple-piece shipment (MPS) consists of two or more packages shipped to the same recipient. To create an MPS shipment, you can use a single transaction with multiple occurrence fields (referred to as a “single shot” transaction).

You can label the packages with the package count: for example: 1 of 3, 2 of 3, and 3 of 3. This type of labeling process is available for the Print-As-You-Go process. For Open Ship transactions, this requires that no labels be printed prior to a CONFIRM shipment.

See Chapter 4: FedEx Ship Manager Server Open Ship Transactions for information about Print-As-You-Go.

Enabling Multiple Package Count for FedEx Ground

The appearance of the multiple package count is optional for FedEx Ground and is enabled by the Multi-Pack Piece Count checkbox in the Meter Settings tab of the FSMS Configuration Utility. When checked, the package count appears on a FedEx Ground or FedEx Home Delivery MPS label if the shipment was either created using a single transaction with multiple occurrence fields, or in an Open Ship transaction (if no labels were printed prior to the CONFIRM Shipment transaction). If any label of an Open Ship transaction is printed prior to a CONFIRM shipment, package counts are removed because the final package total is unknown.

To disable multiple package count for FedEx Ground and FedEx Home Delivery, uncheck the Multi-Pack Piece Count checkbox, and no package count will appear on shipping labels.
Transaction Rules and Restrictions for FedEx Ground U.S.

FedEx Ship Manager Server transaction rules are dependent on the type of FedEx service you've selected and the shipping rules and options specific to that service. This topic lists the transaction rules for FedEx Ground and FedEx Home Delivery services.

FedEx Ground U.S.
The following rules apply to FedEx Ground shipping transactions:

• Use field 1274 (Service Type) with value "92" to specify FedEx Ground U.S. service for the package or shipment.
• When shipping FedEx Ground U.S. packages, you must enter a valid shipping address for a commercial or business location within the 50 United States.
• When shipping packages to residential addresses within the U.S., use the FedEx Home Delivery service.
• Shipper address and Recipient address for FedEx Ground shipments must contain a U.S. city and state.
• Do not enter a USPS post office box number as an address for delivery.
• Do not include fields for Saturday delivery or pickup. This service option is not available for FedEx Ground.
• When estimating time-in-transit or ship dates, consider FedEx Ground delivery days: Monday through Friday (8 a.m. to close of business day).
• Do not include packages over 150 Lbs (field 1670 ) in a FedEx Ground U.S. shipment.
• Do not include packages which exceed 108" in length or 165" in length plus girth (L + 2W + 2H).
• Before you ship hazardous materials, you must be certified to do so. See fedex.com for certification and training information.
• Do not include hazardous materials packages for FedEx Ground shipments to or from Alaska and Hawaii.

FedEx Home Delivery
The following rules apply to FedEx Home Delivery shipping transactions:

• Use field 1274 (Service Type) with value "90" to specify FedEx Ground U.S. service for the package or shipment.
• Shipper and Recipient addresses must be within the 50 United States.
• Do not include packages over 70 Lbs (field 1670 ) in a FedEx Home Delivery shipment.
• Package size is limited up to 108 inches; or 165 inches in combined length plus girth (L+2W+2H). (fields 57, 58 and 59)
• Do not ship hazardous materials, except for Other Regulated Materials–Domestic (ORM-D) packages.
• Do not use a USPS post office box as either the Shipper or Recipient address.
• Follow rules and restrictions for FedEx Ground alcohol shipments.
• If you need to schedule a specific time or date for delivery, use the FedEx Home Delivery premium service upgrade options.
• Please keep in mind delivery days and hours when providing additional instructions in field 3021 or estimating delivery date and time-in-transit. Home delivery is available on Saturday and Tuesday through Friday 9 a.m. to 8 p.m.
• You can include these service options for Home Delivery shipments:
  — Delivery Signature (field 2399)
  — Proof of Delivery
  — Return Shipping
Coding Guidelines for FedEx Ground U.S. Transactions

FedEx Ground shipping transactions are 020/120 Global Ship transactions that use field 1274 (Service Type) to specify either:

- FedEx Ground—for business and commercial delivery
- FedEx Home Delivery—for residential delivery

When you code a FedEx Ground or Home Delivery transaction, be sure to do the following:

- Use the 020 Global Ship Request transaction to request all FedEx Ground U.S. and Home Delivery shipping functions. Replies are returned in the 120 Global Ship Reply transaction.
- Always begin each transaction with the Transaction Code field 0 and enter the value "020" or "20". For example, 0,"020".
- Always include field 1 (Customer Transaction Identifier) in each transaction. This field lets you link transaction "replies" back to the transaction "requests" in those instances where you are performing multiple shipment transactions for bulk shipments.
- Always include the meter number (field 498) of the client/device on which you are running the FSMS transactions.
- Include field 1274 (Service Type) and select one of the following service codes:
  - 92—FedEx Ground U.S. for commercial addresses
  - 90—FedEx Home Delivery for residential addresses
- You must provide "Ship To" information in the transaction. Include in field 11 (Recipient Company) the recipient name and in field 12 (Recipient Contact Name) the contact information for the company or person to whom you are sending the shipment.
- Your "Ship From" information is entered as part of your FSMS configuration. If the "Ship From" information is different, you must include the shipper name and contact information in the transaction.
- Always include field 23 (Pay Type). You may prepay the shipping costs or bill them to the recipient of the shipment or a third party. You can also send the package Collect on Delivery.
- You must specify the packaging type for your shipment; only packages prepared by the shipper are accepted. Pass field 1273 (Packaging Type) with a value of "01".
- You can use the Open Ship method to ship your packages. FedEx Ground Open Ship requires that you use field 541 (Open Ship Flags) to specify the shipping function and use field 542 (Open Ship Index) to identify the shipment index associated with the flagged function in field 541.
- Add more fields if you wish to send the package using any of the FedEx Ground special options, such as Collect on Delivery. Each option has a special flag field.
- Always end each transaction with the End of Record Indicator field 99. Do not enter a value in this field. The field should always look like this: 99,"

When adding packages to a transaction, be aware of package size and weight restrictions:

- FedEx Ground—up to 150 LBS; up to 108 inches in length and 165 inches in length and girth
- FedEx Home Delivery—up to 70 LBS; up to 108 inches in length and 165 inches in length and girth
Transaction Fields for FedEx Ground U.S.

The basic FedEx Ground shipping transaction uses the same basic fields required for FedEx Express shipment transactions. For a list of basic shipping fields, see "020/120 Global Ship Request/Reply Transactions" in the FedEx Ship Manager Server Transaction Coding Reference.

Several fields, however, require FedEx Ground-specific field values and are described in Table 6-1.

Table 6-1 FedEx Ground Fields

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Service</td>
<td>Valid For</td>
</tr>
<tr>
<td>Payor Account Number</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Max=20</td>
<td>N</td>
<td>I</td>
<td>FDXG</td>
<td>All</td>
</tr>
<tr>
<td>Pay Type</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Max=1</td>
<td>N</td>
<td>I</td>
<td>FDXG</td>
<td>All</td>
</tr>
<tr>
<td>Packaging Type</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1273</td>
<td>Max=2</td>
<td>N</td>
<td>I</td>
<td>FDXG</td>
<td>All</td>
</tr>
<tr>
<td>Service Type</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1274</td>
<td>Max=2</td>
<td>N</td>
<td>I</td>
<td>FDXG</td>
<td>All</td>
</tr>
</tbody>
</table>

Note: Additional fields available for Ground and Home Delivery are described in the FedEx Ship Manager Server Transaction Coding Reference guide.
Package Size and Weight Rules for FedEx Ground and Home Delivery U.S.

If you are shipping a package that exceeds the size and weight restrictions as described in the service details below, FedEx Ship Manager Server returns field 3124 (FedEx Ground Oversize Indicator) in a 120 Global Ship Reply transaction with the appropriate oversize (OS) indicator for the package.

FedEx Ground Oversize Rules

Table 6-2 lists the conditions used by FedEx to qualify a package as "oversize" for FedEx Ground shipping. Table 6-3 describes the returned FedEx Ground Oversize Indicator field (3124).

### Table 6-2 FedEx Oversize Rules

<table>
<thead>
<tr>
<th>Value</th>
<th>If Length Plus Girth is</th>
<th>And Weight is</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS Code Returned</td>
<td>Greater Than</td>
<td>Less Than</td>
</tr>
<tr>
<td>1</td>
<td>&gt; 84&quot;</td>
<td>&lt; 109&quot;</td>
</tr>
<tr>
<td>2</td>
<td>&gt; 108&quot;</td>
<td>&lt; 131&quot;</td>
</tr>
<tr>
<td>3&lt;sup&gt;1&lt;/sup&gt;</td>
<td>&gt; 130&quot;</td>
<td>&lt; 166&quot;</td>
</tr>
</tbody>
</table>

### FedEx Home Delivery Oversize Package Conditions

<table>
<thead>
<tr>
<th>Value</th>
<th>If Length Plus Girth is</th>
<th>And Weight is</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>&gt; 84&quot;</td>
<td>&lt; 109&quot;</td>
</tr>
<tr>
<td>2</td>
<td>&gt; 108&quot;</td>
<td>&lt; 131&quot;</td>
</tr>
<tr>
<td>3&lt;sup&gt;1&lt;/sup&gt;</td>
<td>&gt; 130&quot;</td>
<td>&lt; 166&quot;</td>
</tr>
</tbody>
</table>

<sup>1</sup>Packages that conform to oversize rule 3 require a $30 surcharge. This surcharge is currently not supplied in your rate quote. You must add this surcharge when the 120 Global Ship Reply transaction returns field 3124 with a value of 3.
Table 6-3 FedEx Ground Indicator for Oversized Packages

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3124</td>
<td>Max=1</td>
<td>N</td>
<td>O</td>
<td>FDXG US CA</td>
<td>Indicates if a FedEx Ground or FedEx Home Delivery package meets an oversize condition. FedEx Ground package oversize values are: 1— if length + girth is &gt; 84” and &lt; 109” and weight is &gt; 30 Lbs 2— if length + girth is &gt; 108” and &lt; 131” and weight is &lt; 50 Lbs 3— if length + girth is &gt; 108” and &lt; 131” and weight is &lt; 50 Lbs FedEx Home Delivery package oversize values are: 1— if length + girth is &gt; 84” and &lt; 109” and weight is &lt; 30 Lbs 2— if length + girth is &gt; 108” and &lt; 131” and weight is &lt; 50 Lbs 3— if length + girth is &gt; 130” and &lt; 166” and weight is &lt; 70 Lbs If you enter dimensions or dimensional criteria that meet oversize guidelines, FSMS sets this value automatically.</td>
</tr>
</tbody>
</table>

**OS3 Surcharge**

A $30 surcharge will be applied to packages that meet the OS 3 requirements. This surcharge is currently not supplied in the rate quote. To apply this surcharge code to your application, add the surcharge when field 3124 returns a value of 3 in the 120 Global Ship Reply transaction.

**Non-Standard Packaging Rules for FedEx Ground**

If you ship a package that FedEx Ground has regulated as "non-standard", you must identify the package in a 020 Global Ship transaction using field 3018 (Additional Handling Surcharge). FedEx Ship Manager Server returns the surcharge for the non-standard package in field 3013 (Nonstandard Container Surcharge) in the 120 Global Ship Reply transaction. A non-standard FedEx Ground package is any package that:

- Measures greater than 60 inches in length but is equal to or less than 108 inches in length
- Is not fully encased in an outer shipping container
- Is encased in an outer shipping container made of metal or wood
- Any drum or pail (less than 5 gallons) that is not fully encased in an outer shipping container made of corrugated cardboard

If your package meets any of these criteria, set field 3018 to Y to receive the correct surcharge for your shipment. If you enter dimensions for the package that are greater that 60” on any one container side, the Additional Handling Surcharge (field 3018) is automatically applied to that shipment.
Non-Standard Container Fields for FedEx Ground

Table 6-4 lists the fields for indicating that a FedEx Ground shipment uses a non-standard container. A surcharge for use of non-standard containers is returned in the 120 Reply transaction.

**Table 6-4 Non-Standard Container Fields for FedEx Ground**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input\Output</th>
<th>FedEx Shipping</th>
<th>Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Field Level: Package</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Optional.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Indicates nonstandard packaging is used.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Nonstandard packaging is a container that meets one of these criteria:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Greater than 60&quot; on any one side (not to exceed 108&quot;)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Not fully enclosed/encased in an outer shipping container</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Encased in an outer container made of metal, wood, hard plastic or foamed material</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Valid values are:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Y—nonstandard packaging used</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>N—standard packaging used (default)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>If you enter dimensions or dimensional criteria that are nonstandard, FSMS sets this flag to Y automatically.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Returns the surcharge applied to a FedEx Ground package with a non-standard container.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Two implied decimal places.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input\Output</th>
<th>FedEx Shipping</th>
<th>Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3013</td>
<td>Max=11.2</td>
<td>N</td>
<td>O</td>
<td>FDXG</td>
<td>All</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Nonstandard Container Surcharge
Additional Form and Label Information

If you need to display additional information for your shipment on the shipping label or the FedEx invoice, you may add the following 020 Global Ship Request transaction fields to your shipping transaction:

| Table 6-5 Additional Reference Information Fields |

### Fields for Additional Reference Information

**Transaction: 020/120 Global Ship Request/Request**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>25-#</td>
<td>Max=39</td>
<td>A</td>
<td>I</td>
<td>FDXG</td>
<td>All</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>Field Level:</strong> Package for all FedEx Ground services Optional. Use this field for customer reference number CRN (FedEx Ground). This field is a package-level field and must not be used if a shipment-level customer reference number (CRN) has been assigned in field 3003 (Shipment Customer Reference Information). If this field is used simultaneously with field 3003, then field 3003 is ignored. Package-level fields take precedence. This value prints on the Customer Reference field on the FedEx Ground invoice.</td>
</tr>
<tr>
<td>28</td>
<td>Max=15</td>
<td>N</td>
<td>I/O</td>
<td>FDXG</td>
<td>US</td>
</tr>
<tr>
<td>3001</td>
<td>Max=30</td>
<td>A</td>
<td>I</td>
<td>FDXG</td>
<td>All</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>Field Level:</strong> Shipment Optional. Specifies the purchase order number for the shipment. Use field 3001 to print the purchase order number on a Returns label. Use only for shipments of two or more packages to the same recipient. This value prints on the thermal label. This field can be used in the same transaction with other shipment level reference number fields: 3002 (Shipment Invoice Number) and 3003 (Shipment Customer Reference Information).</td>
</tr>
<tr>
<td>3002</td>
<td>Max=30</td>
<td>A</td>
<td>I</td>
<td>FDXG</td>
<td>All</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>Field Level:</strong> Shipment Optional. Specifies the invoice number of the shipment. Use field 3002 to print the invoice number on a Returns label. Use only for shipments of two or more packages to the same recipient. This value prints on the thermal label. This field can be used in the same transaction with other shipment level reference number fields: 3001 (Shipment Purchase Order Number) and 3003 (Shipment Customer Reference Information).</td>
</tr>
</tbody>
</table>
Deleting a FedEx Ground Shipment

Use the 023 Global Delete Request transaction to delete a single piece or all pieces in a FedEx Ground U.S. domestic (including C.O.D.) multiple-piece shipment (MPS).

Note: If you enter a tracking number associated with a multiple-piece shipment, FedEx Ship Manager Server deletes all pieces in this shipment.
FedEx Home Delivery Premium Service Upgrades

You can use FedEx Home Delivery to ship packages to residential addresses within the 50 United States. Use the required FedEx Ground transaction fields (refer to Table 6-1) to create the base transaction for FedEx Home Delivery shipments. To specify FedEx Home Delivery, enter the code "90" for the Home Delivery service type in field 1274 (Service Type), for example, 1274, "90". See "FedEx Home Delivery Service" in this chapter.

Home Delivery Service Upgrades

You can customize delivery to suit your recipient by choosing from three premium service upgrades.

- FedEx Date Certain Home Delivery
- FedEx Evening Home Delivery
- FedEx Appointment Home Delivery

Use field 3020 (FedEx Home Delivery Type) to select the upgrade. Valid values for this field are:

1—FedEx Date Certain Home Delivery®
   Select this service option if you want to specify a delivery date for home delivery. For example, if your recipient is available to accept packages on Thursdays, enter Thursday in field 3023 (FedEx Home Delivery Date) as the delivery date in your shipping transaction.

2—FedEx Evening Home Delivery®
   Select this service option to specify delivery between 5 p.m. and 8 p.m., based on the recipient’s local time zone.

3—FedEx Appointment Home Delivery®
   Select this service option if you need to specify an appointment for delivery. The recipient is contacted by their local FedEx Home Delivery terminal to set up the delivery appointment.
**FedEx Home Delivery Fields**

The following table describes optional fields that you may want to include in the 020 Global Ship Request transaction for FedEx Home Delivery shipments.

Table 6-6 FedEx Home Delivery Fields

<table>
<thead>
<tr>
<th>FedEx Home Delivery Premium Service Fields</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Transaction</strong>: 020 Global Ship Request - Single Piece, Single Shot, Open Ship</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signature Required Type</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2399</td>
<td>Max=1</td>
<td>N</td>
<td>I</td>
<td>FDXE FDXG FHD US</td>
<td>Field Level: Package Indicates type of signature service for delivery. Valid values: 0—Not Present 1—Deliver without Signature 2—Indirect Signature 3—Direct Signature 4—Adult Signature  • FedEx Home Delivery with Appointment Delivery and shipments with an insurance value greater than $499 USD require a Direct Signature, and a surcharge is not applied. Adult Signature is available as an upgrade for U.S. domestic FedEx Ground shipments, and a surcharge is applied if Adult Signature is selected. Indirect Signature and Deliver without Signature are not available for these types of shipments.  • All other residential U.S. domestic FedEx Ground shipments are handled as Deliver without Signature. Indirect Signature and Direct Signature are available as an upgrade for U.S. domestic FedEx Ground shipments, and a surcharge will be applied if an upgrade is selected.</td>
</tr>
</tbody>
</table>

FedEx Home Delivery Type

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3020</td>
<td>Max=1</td>
<td>N</td>
<td>I</td>
<td>FHD US</td>
<td>Field Level: Shipment Optional. Type of FedEx Home Delivery service. Valid values: 1—Date Certain 2—Evening 3—Appointment Valid days are Tuesday through Saturday.</td>
</tr>
</tbody>
</table>

Special Instructions/FedEx Home Delivery Instructions

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3021</td>
<td>Max=74</td>
<td>A</td>
<td>I</td>
<td>FHD US</td>
<td>Field Level: Shipment Optional. Specify specific delivery instructions.</td>
</tr>
</tbody>
</table>
FedEx Home Delivery Premium Service Fields

Transaction: 020 Global Ship Request - Single Piece, Single Shot, Open Ship

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1274</td>
<td>Max=2</td>
<td>N</td>
<td>I/O</td>
<td>FHD</td>
<td>US</td>
</tr>
</tbody>
</table>

Field Level: Shipment REQUIRED or Optional.
Service type provided by the shipper.

FedEx Home Delivery Service

FedEx Home Delivery service delivers packages to every residential address in the 50 United States using the FedEx residential-only delivery network. To specify a Home Delivery shipment, enter the Home Delivery service type code in field 1274.

Table 6-7 Service Type for Home Delivery

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1274</td>
<td>Max=2</td>
<td>N</td>
<td>I/O</td>
<td>Shipment REQUIRED or Optional. Service type provided by the shipper. FedEx Ground U.S.: 90—FedEx Home Delivery</td>
</tr>
</tbody>
</table>
Shipping Service Options for FedEx Ground U.S.

FedEx Ground U.S. provides the special shipping services described in this section. They include:

- FedEx Ground Collect on Delivery Services
- FedEx Ground Future Day
- FedEx Delivery Signature Services – FedEx Ground
- Saturday Pickup and Delivery Fields – FedEx Home Delivery
- Customized Time in Transit Field
- FedEx Ground Multiweight Pricing (U.S.)
- Hazardous Materials Shipments – FedEx Ground

FedEx Ground Collect on Delivery Services

FedEx Ground U.S. domestic shipments offer collect on delivery options with features designed to meet your unique shipping needs:

- FedEx Ground ® C.O.D.—provides three payment collection options for FedEx Ground shipments.

FedEx Home Delivery C.O.D. and E.C.O.D. are not available for international FedEx Ground shipments. You can use FedEx Ship Manager Server to ship either C.O.D. or E.C.O.D., but you cannot use both services simultaneously under the same meter number.

FedEx Ground C.O.D.

Use the FedEx Ground C.O.D. service option to designate the amount of money that the FedEx Ground contractor collects from the recipient upon shipment delivery. If the FedEx Ground contractor collects guaranteed funds, or a company/personal check, the payment is sent directly to the shipper via U.S. mail. If cash is collected, on the next business day FedEx Ground delivers a check to the shipper in the amount of the cash collected. The FedEx-issued check is sent to the shipper via U.S. mail. The shipper must designate the type of payment to be collected by FedEx Ground.

FedEx Ground C.O.D. can be used with the following service options:

- FedEx ® Delivery Signature Options
- Prepaid or third party billing only
- Declared Value
- Hazardous Materials
- Residential Surcharge
- Additional Handling
FedEx Ground E.C.O.D.

Use the FedEx Ground E.C.O.D. service option to receive funds within 24 to 48 hours after shipment delivery. Shippers receive monies via electronic funds transfer. Contact your FedEx Account Executive for more information about E.C.O.D.

E.C.O.D. is not available for FedEx Home Delivery service.

Available services with FedEx Ground E.C.O.D.:

• Signature Services
• Prepaid or third party billing only
• Declared Value
• Hazardous Materials
• Residential Surcharge
• Additional Handling

C.O.D. and E.C.O.D. Labels

Shipping a FedEx Ground E.C.O.D. package requires three thermal labels. Label 1 must be affixed to the outside shipping container. Labels 2 and 3 must be placed in a FedEx Ground C.O.D. pouch (OP-013 POUCH) and affixed to the outside shipping container.

For more information about using the FedEx Ground E.C.O.D. service, contact your FedEx account executive.
Transaction Fields for FedEx Ground Collect on Delivery

The following table lists the fields—required and optional—available for coding information about your FedEx Ground Collect on Delivery transaction.

Table 6-8 Fields for FedEx Ground U.S. C.O.D.

<table>
<thead>
<tr>
<th>Field</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input\Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recipient Contact Name</td>
<td>12</td>
<td>A</td>
<td>I</td>
<td>FDXG US</td>
<td>Field Level: Shipment REQUIRED*. Contact name at the Recipient company. *Required if a recipient company is not provided. *Required for all C.O.D. (U.S. domestic service only), alcohol, bill recipient, and bill third party.</td>
</tr>
</tbody>
</table>
Fields for FedEx Ground U.S. C.O.D.

Transaction: 020 Global Ship Request

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C.O.D. Collect Amount</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>53-#</td>
<td>Max=10.2</td>
<td>N</td>
<td>I</td>
<td>FDXG</td>
<td>US</td>
<td></td>
<td>Field Level: Package level for FedEx Ground REQUIRED. Amount of payment that must be collected upon delivery of the FedEx Collect on Delivery (C.O.D.) package. Maximum of $25,000 for FedEx Ground if guaranteed funds and maximum of $750 if cash. Multiple-occurrence field.</td>
</tr>
</tbody>
</table>

C.O.D. Add Freight Charges Flag | | | | | | | |
| 186 | Max=1 | A | I | FDXG | US | CA | Field Level: Shipment Optional. Indicates whether freight charges are added to an intra-U.S. or intra-CA C.O.D. shipment and if so, the type of charge. Valid values are: Y—Add discounted net charge N—No additional charges added to the C.O.D. amount (default) 1—Add discounted net charge (same as Y) 2—Add list net charge 3—Add discounted C.O.D. charge 4—Add list C.O.D. surcharge 5—Add discounted Customer Total Charge 6—Add list Customer Total Charge |

C.O.D. Return Phone Number | | | | | | | |

C.O.D. Return Company Name | | | | | | | |

C.O.D. Return Address Line 1 | | | | | | | |
### Fields for FedEx Ground U.S. C.O.D.

**Transaction: 020 Global Ship Request**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>FedEx Shipping Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>C.O.D. Return Address Line 2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| 1241     | Max=35       | A         | I            | FDXG                    | US                       | **Field Level:** Shipment  
Optional.  
Second line of return address for the FedEx® Collect on Delivery (C.O.D.) package.  
Default is configured in FSMS Configuration Utility. |
| C.O.D. Return City |
| 1242     | Max=35       | A         | I            | FDXG                    | US                       | **Field Level:** Shipment  
**REQUIRED**.  
* Required if field 6103 (C.O.D. Remit Payor) is set to 3.  
City of the return address for the FedEx® Collect on Delivery (C.O.D.) package.  
Default is configured in FSMS Configuration Utility. |
| C.O.D. Return State |
| 1243     | Max=2        | A         | I            | FDXG                    | US                       | **Field Level:** Shipment  
**REQUIRED**.  
* Required if field 6103 (C.O.D. Remit Payor) is set to 3.  
State code of the return address for the FedEx® Collect on Delivery (C.O.D.) package.  
Default is configured in FSMS Configuration Utility.  
See Appendix C in the Transaction Coding Reference for a list of state codes. |
| C.O.D. Return Postal Code |
| 1244     | Max=10       | A         | I            | FDXG                    | US                       | **Field Level:** Shipment  
**REQUIRED**.  
* Required if field 6103 (C.O.D. Remit Payor) is set to 3.  
Postal code of the return address for the FedEx® Collect on Delivery (C.O.D.) package.  
Default is configured in FSMS Configuration Utility. |
| Accumulate Shipment Charges Indicator |
| 1593     | Max=2        | A         | I            | FDXG                    | US                       | Optional.  
Indicates if all charges are added to the FedEx Collect on Delivery (C.O.D.) amount of the final or only C.O.D. package in shipment.  
Valid value is:  
Y—All freight charges, surcharges and handling charges are added to the C.O.D. amount  
Note: Valid for intra-U.S. and intra-Canada only. |
### Fields for FedEx Ground U.S. C.O.D.

**Transaction: 020 Global Ship Request**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>C.O.D. Collection Type</strong></td>
</tr>
</tbody>
</table>
| 3000     | Max=2        | N         | I            | FDXG US        | Field Level: Shipment REQUIRED*.  
*Required if the C.O.D. Flag (field 27) is set to Y.  
Valid values are:  
1—Any Payment  
2—Guaranteed Funds  
3—Currency (maximum Cash amount is $750) |

### Fields for FedEx Ground C.O.D. and E.C.O.D. Transactions

You can configure how FedEx Collect on Delivery (C.O.D.) and Electronic Collect on Delivery (E.C.O.D.) charges are assessed through the 020 Global Ship Request transaction. Use the fields described in Table 6-9 to code C.O.D. and E.C.O.D. shipments for FedEx Ground service.

Table 6-9 FedEx Ground C.O.D. and E.C.O.D. Fields

#### Required Fields for FedEx Express U.S. Package and Freight Shipments

**Transaction: 020 Global Ship Request - Single Shot, Open Ship**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>C.O.D. Flag</strong></td>
</tr>
</tbody>
</table>
| 27       | Max=1        | A         | I            | FDXG US        | Field Level: Package level for FedEx Ground REQUIRED*.  
When set to Y, indicates that a package or shipment is being shipped FedEx Collect on Delivery (C.O.D.), and "C.O.D." prints in the box beside the recipient name on the bill of lading.  
Multiple-occurrence field.  
*Required for C.O.D.  
Valid values are:  
Y—Package is C.O.D. at the package level for FedEx Ground.  
N—Package is NOT sent C.O.D. (default)  
S—Package is sent C.O.D. at the shipment level for FedEx Ground. |
### Required Fields for FedEx Express U.S. Package and Freight Shipments

**Transaction: 020 Global Ship Request - Single Shot, Open Ship**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>C.O.D. Add Freight Charges Flag</td>
<td>186</td>
<td>Max=1</td>
<td>N I</td>
<td>FDXG US CA</td>
<td>Field Level: Shipment Optional. Indicates whether freight charges are added to an intra-U.S. or intra-CA C.O.D. shipment and if so, the type of charge. Valid values are: Y—Add discounted net charge N—No additional charges added to the C.O.D. amount (default) 1—Add discounted net charge (same as Y) 2—Add list net charge 3—Add discounted C.O.D. charge 4—Add list C.O.D. surcharge 5—Add discounted Customer Total Charge 6—Add list Customer Total Charge</td>
<td></td>
</tr>
<tr>
<td>Accumulate Shipment Charges Indicator</td>
<td>1593</td>
<td>Max=1</td>
<td>A I</td>
<td>FDXG US CA</td>
<td>Optional. Indicates if all charges are added to the FedEx Collect on Delivery (C.O.D.) amount of the final or only C.O.D. package in shipment. Valid value is: Y—All freight charges, surcharges, and handling charges are added to the C.O.D. amount Note: Valid for intra-U.S. and intra-Canada only.</td>
<td></td>
</tr>
<tr>
<td>C.O.D. Collection Type</td>
<td>3000</td>
<td>Max=2</td>
<td>N I</td>
<td>FDXG US</td>
<td>Field Level: Shipment REQUIRED*. *Required for FedEx Ground C.O.D./E.C.O.D. shipments. *Required if the C.O.D. Flag (field 27) is set to Y. Valid values are: 1—Any Payment 2—Guaranteed Funds 3—Currency (maximum Cash amount is $750)</td>
<td></td>
</tr>
</tbody>
</table>
### Required Fields for FedEx Express U.S. Package and Freight Shipments

**Transaction: 020 Global Ship Request - Single Shot, Open Ship**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3014-#</td>
<td>Max = 1</td>
<td>A</td>
<td>I</td>
<td>FDXG</td>
<td>US</td>
</tr>
</tbody>
</table>

**Field Level:** Package.

**REQUIRED**

When set to Y, indicates that a package is being shipped Electronic Collect on Delivery (E.C.O.D.). Multiple-occurrence field.

*Required for Electronic Collect on Delivery service for FedEx Ground.

Valid values are:

- **N**—Package is NOT sent E.C.O.D. (default)
- **Y**—Package is sent E.C.O.D. at the shipment level for FedEx Express and at the package level for FedEx Ground.
- **S**—Package is sent E.C.O.D. at the shipment level for FedEx Ground.

Note: FedEx Ship Manager Server defaults to C.O.D. To enable E.C.O.D. you must check the E.C.O.D. checkbox on the **Meter Settings** tab of the FSMS Configuration Utility.
**FedEx Ground Future Day**

Use Future Day shipping to prepare a FedEx Ground shipment up to ninety (90) days from the actual ship date. A label prints when the shipment is processed, but the shipment can be held until the specified day becomes current before tendering the package to the courier.

To specify a Future Day shipment, include field 24 (Ship Date) in the 020 Global Ship Request transaction with the specified shipping date. Table 6-10 describes field 24.

Note: FedEx Ground does not ship on Saturday. Only FedEx Home Delivery supports Saturday pickup and delivery service.

**Table 6-10** Future Day Ship Date Field

<table>
<thead>
<tr>
<th>Ship Date</th>
<th>Transaction: 020 Global Ship Request</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field ID</td>
<td>Field Length</td>
</tr>
<tr>
<td>24</td>
<td>Max=8</td>
</tr>
</tbody>
</table>

**Deleting a Future Day Shipment**

You can delete a Future Day shipment before the shipping day is closed using the 023/123 Global Delete Request/Reply transaction. This deletes the future ship date from the FedEx Ship Manager Server shipment history database on the local FSMS client. These shipments are not uploaded to FedEx.

However, after you close your shipping day, Future Day shipments are uploaded to FedEx and kept in a reserve file. Therefore, a 023 Global Delete Request transaction must be uploaded to FedEx to cancel Future Day shipments after Close.
FedEx Delivery Signature Services – FedEx Ground

Signature Services are available for FedEx Ground and FedEx Home Delivery using the 020 Global Ship Request transaction with field 2399 (Signature Required Type).

FedEx Delivery Signature Options Restrictions – FedEx Ground

Signature options are supported for all FedEx Ground U.S. domestic package services.

The following rules and restrictions apply to 020 Global Ship Request transactions for FedEx Ground and FedEx Home Delivery service (field 1274 Service Type set to 92 or 90):

• If you are an international customer and are shipping a package to a U.S. recipient, you must include a delivery signature option (field 2399 Signature Required Type) for your shipment.
• If you include field 1332 (Alcohol Flag) to indicate an alcohol shipment, always include the required Adult signature field (2399, "4").
• No signature option is allowed for Hold at FedEx location shipments.
• C.O.D., Haz Mat, FedEx Home Delivery with Appointment Delivery and shipments with an insurance value greater than $499 USD require a direct signature (2399, "3") and a surcharge is not applied. However, if you upgrade to the adult signature option (2399, "4"), a surcharge will be applied. Indirect signature and delivery without a signature are not available options for these types of shipments.

Saturday Pickup and Delivery Fields – FedEx Home Delivery

Saturday service is available for FedEx Home Delivery. FedEx Ground does support Saturday pickup and delivery service.

When coding for Saturday service, use field 24 (Ship Date), field 1266 (Saturday Delivery Flag), and field 1267 (Saturday Pickup Flag) as described in Table 6-11.

Table 6-11 Home Delivery Saturday Pickup and Delivery Fields

<table>
<thead>
<tr>
<th>Required Field for FedEx Ground Saturday Pickup and Delivery</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Transaction</strong>: 020 Global Ship Request</td>
</tr>
<tr>
<td><strong>Field ID</strong></td>
</tr>
<tr>
<td>------------</td>
</tr>
<tr>
<td>Ship Date</td>
</tr>
<tr>
<td>24</td>
</tr>
</tbody>
</table>
### Customized Time in Transit Field

The Customized Time in Transit field (2703) returns the number of days a package will spend in transit. You must enable the Ground Custom Transit Time option in the FSMS Configuration Utility to receive field 2703 in the 120 Global Ship Reply transaction.

Table 6-12 describes field 2703 (Customized Time in Transit).

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2703</td>
<td>Min=0, Max=2</td>
<td>N</td>
<td>I</td>
<td>FDXG</td>
<td>All</td>
</tr>
</tbody>
</table>

**Field Level:** Shipment Output.
Number of days a FedEx Ground or FedEx Home Delivery package will spend in transit from the origin to the destination when the customer has customized transit times. 120 Global Ship Reply transaction returns a customized transit time.
Requires that the Custom Transit Time Indicator checkbox in the Meter Settings tab of the FSMS Configuration Utility is checked.
You can include this field in these types of transactions: single piece, single shot MPS, Open Ship MPS, and Open Ship RATE and ROUTE.

### To configure Custom Transit Time

1. Open the FSMS Configuration Utility.
2. Click the Meter Settings tab.
3. In the Ground Options section, check the Custom Transit Data Key checkbox and type the custom transit data key (0-10 characters) in the textbox.
4. Check the Custom Transit Exclusion File checkbox to indicate that a zip/postal exclusion file is used when providing customized transit times to the shipper.
5. Type or browse to the directory path and file name of the exclusion file.
6. Click Apply or Apply&Exit.

U.S. or Canada shippers who set up customized FedEx Ground transit times are responsible for meeting all terms and conditions of their agreement with FedEx related to getting the customized transit time. These conditions include any factors external to FSMS including, but not limited to, cut-off times, volume requirements and sorting requirements. FSMS quotes customized transit times when specified but cannot consider these external factors when providing the customized transit time.
FedEx Ground Multiweight Pricing (U.S.)

FedEx Ground Multiweight pricing is ideal for multiple-package shipments weighing 200 LBS or more moving as one unit to the same destination on the same day. This pricing option allows you to combine packages for a multiweight rate. Pricing is based on the combined weight of your packages.

Pricing

The FedEx Ground Multiweight pricing option allows you to combine packages for a multiweight rate. Pricing is based on the combined weight of your packages.

Note: FedEx Ground Multiweight shipment rates are available by contract only. Contact your FedEx account executive for more information. FedEx Ground multiple-piece shipments may receive per-pound rates if the total shipment weighs 200 LBS or more. A shipment average minimum package weight applies and varies by contract.

Transaction Rules for Multiweight

Use the base transaction fields for a FedEx Ground shipment (refer to Table 6-1) when coding a FedEx Ground MultiWeight/020/120 Global Ship transaction.

FedEx Ground Multiweight transactions must include multiple packages which follow the restrictions described below.

- Be sure the total weight of your multiple-package shipment is 200 pounds or more to qualify for multiweight pricing and optimal service.
- Average package weight should be between 15-25 pounds.
- For single packages, do not enter more than 150 lbs for the package weight or 108" in length plus girth for the package dimensions.
- Restrict delivery days to Monday through Friday when specifying delivery dates for packages.

Delivery Details Report for Multiweight

FedEx shippers can configure a Delivery Details Report to be generated when they perform an End-of-Day Close for FedEx Ground Multiweight shipment(s). The report includes the date of shipment, company name, consignee name and address, original and destination postal codes, service, and pickup, account and system numbers. The report also prints the total package count. You can print the report in these formats: RTF, TXT, DOC and PDF.

To configure the FedEx Ground Multiweight Delivery Details Report

1. Open the FSMS Configuration Utility.
2. Click the Report Settings tab.
3. In the list of reports on the left, click the + (plus) indicator next to Ground to expand the report list.
4. Click MWGT Delivery Detail to select this report.
5. Click Apply or Apply&Exit.

To print the Delivery Details Report

You can print a Delivery Details Report at End-of-Day Close for Ground Multiweight shipments by specifying the "063" Delivery Details report code in field 1373 (Report Code); example: 1373, "063".
FedEx Ground hazmat shipping requires only field 1331 (Dangerous Goods/HazMat Flag), unless you are using FedEx Ship Manager Server to print the FedEx Ground OP-900 HazMat Label and the OP-950 HazMat Certification Report.

Hazmat shipments can only contain a single hazmat commodity per tracking number if you use FedEx Ship Manager Server to print the OP-900 HazMat Label and the OP-950 HazMat Certification Report. If more than a single hazmat commodity is supplied in the transaction, an OP-900 prints for the first commodity only, and only the first commodity prints on the OP-950 form.


<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1373</td>
<td>Max=3</td>
<td>N</td>
<td>O</td>
<td>FDXG, US</td>
<td>Optional. Specify the “062” report code in the 1373 field to print the Ground Multiweight Delivery Details report in a 007 End-of-Day Close Request transaction. Note: Configure each report you want to print at end of day in the FSMS Configuration Utility.</td>
</tr>
</tbody>
</table>
FedEx Ground Tracking Numbers

The FedEx Ground tracking number range for all FSMS Ground shipping accounts/meters is 7000001-9999999.

A FedEx Ground shipper does not need to download FedEx Ground tracking numbers. The Ground Tracking Number range is automatically populated when FedEx Ship Manager Server (FSMS) is installed or upgraded. The range is available to the customer when the Master Meter is properly configured by a FedEx Customer Support representative or customer consultant.

A FedEx Ground tracking number is composed of three parts: the customer’s 7-digit FedEx Ground account number, the 7-digit tracking number visible in the Tracking Numbers tab, and a check digit. This 15-digit tracking number is used to track FedEx Ground packages.

When a customer’s FedEx Ground tracking number range (on the master meter) is depleted, the range automatically rolls over and begins again at 7010001.

Note: FSMS does not allow a value of zero (0) or null for the first digit in the Ground Tracking Number Range fields.

Allocation of FedEx Ground Tracking Numbers

FedEx Ship Manager Server allocates the ground tracking number range as follows for each FedEx Ground account number that has multiple meters tied to that account.

Example 1: Shared Meter Account Number

In this scenario, a company has one FedEx Ground account number with two meter numbers:

• Ground account number 1234567 with meter 44444
• Ground account number 1234567 with meter 55555

If ten (10) packages are shipped using alternate meters, the tracking number assignment is as follows:

| 12345677000001 | 12345677000002 | 12345677000003 | 12345677000004 | 12345677000005 |
| 12345677000006 | 12345677000007 | 12345677000008 | 12345677000009 | 12345677000010 |

Example 2: Unique Meter Account Numbers

In this scenario, a company has two FedEx Ground account numbers, each with a single assigned meter number.

• Ground account number 1234567 with meter 44444
• Ground account number 9876543 with meter 55555

The range for each meter could be the same entire allocation range for FSMS such as: 7000001 - 9999999.
If ten (10) packages are shipped using alternating meters, the tracking number assignment is as follows:

<table>
<thead>
<tr>
<th>Meter Number</th>
<th>Tracking Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>12345677000001</td>
<td>98765437000004</td>
</tr>
<tr>
<td>98765437000001</td>
<td>12345677000003</td>
</tr>
<tr>
<td>98765437000002</td>
<td>12345677000004</td>
</tr>
<tr>
<td>98765437000003</td>
<td>98765437000005</td>
</tr>
<tr>
<td>12345677000002</td>
<td>98765437000006</td>
</tr>
</tbody>
</table>

NOTE: Prior to this FSMS release, the allocation of numbers in this same scenario has been as follows:

<table>
<thead>
<tr>
<th>Meter Number</th>
<th>Tracking Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>12345677000001</td>
<td>98765437000006</td>
</tr>
<tr>
<td>98765437000002</td>
<td>12345677000007</td>
</tr>
<tr>
<td>98765437000003</td>
<td>12345677000008</td>
</tr>
<tr>
<td>98765437000004</td>
<td>98765437000009</td>
</tr>
<tr>
<td>12345677000005</td>
<td>98765437000010</td>
</tr>
</tbody>
</table>

**Monitoring FedEx Ground Tracking Numbers**

You can use the FSMS Configuration Utility to monitor the FedEx Ground tracking numbers you assign.

**To monitor FedEx Ground tracking numbers**

1. Open the FedEx Configuration Utility.
2. Click the **Tracking Numbers** tab.
3. Select the master **Meter Number** in the upper left corner.
4. Find the **Ground Tracking Numbers Prefixes** section in the middle of the screen. This section shows the FedEx Ground accounts and tracking number ranges for the meter number you selected above in Step 3. The FedEx Ground tracking number range field (Start, End, Current) values must be specific to each FedEx Ground account on your system. Use the following setting descriptions to guide your entries.

<table>
<thead>
<tr>
<th>Configuration Setting</th>
<th>Descriptions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GRD Account #</strong></td>
<td>Ground-enabled account numbers. This field is pre-populated with tracking numbers for each Ground account number configured on your FSMS system. Displays only account numbers for accounts tied to Ground-enabled meters. If the meter you select is not Ground-enabled, no accounts display.</td>
</tr>
<tr>
<td><strong>Start</strong></td>
<td>Tracking number at start of range. Valid number for first digit is 1 – 9. Default = 7000001</td>
</tr>
<tr>
<td><strong>End</strong></td>
<td>Tracking number at end of range. Valid number for first digit is 1 – 9. Default = 9999999</td>
</tr>
<tr>
<td><strong>Current</strong></td>
<td>Last tracking number assigned for the account. Valid number for first digit is 1 – 9.</td>
</tr>
</tbody>
</table>

Note: You cannot edit account or tracking numbers.

5. When you are ready, click **Exit** to close the FedEx Configuration Utility.

Note: The **Ground Tracking Numbers Prefixes** is password protected. If you wish to change your account or tracking numbers, see your FedEx field personnel. Your field person can perform the following tasks:

- **Copy Range to All Accounts**—Copy a specified Ground Tracking Number range to all of the Ground Accounts on the system.
- **Edit**—Edit the Ground Tracking Number range for a selected Ground Account Number.
- **Reset Range to Default**—Reset the Ground Tracking Number range to the default range for a selected Ground Account Number.
FedEx Ground End-of-Day (EOD) Reports

Shippers can create two new FedEx Ground End-of-Day (EOD) report files:

- Ground Domestic EOD TransOut Report
- Ground International EOD TransOut Report

FSMS creates both reports as part of the End-of-Day Close request triggered by the 007/107 End-of-Day Close Request/Reply transaction. You must include field 1373 (Report Code) in the End-of-Day transaction request with one of the report codes in this table.

<table>
<thead>
<tr>
<th>Ground EOD Report</th>
<th>Field 1373 Report Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground Domestic EOD TransOut Report</td>
<td>Valid value is &quot;061&quot;. Prints to file only. See following table.</td>
</tr>
<tr>
<td>Ground International EOD TransOut Report</td>
<td>Valid value is &quot;062&quot;. Prints to file only. See following table.</td>
</tr>
</tbody>
</table>

The generated report files (.txt files) are saved to the directory configured in the Report Settings screen of the FSMS Configuration Utility.

This table shows the naming format for the reports:

<table>
<thead>
<tr>
<th>Ground EOD Report</th>
<th>File Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground Domestic EOD TransOut Report</td>
<td>xxxxxxx_yyyy_zzzz_Ground Domestic EodTransOut.txt</td>
</tr>
<tr>
<td>Ground International EOD TransOut Report</td>
<td>xxxxxxx_yyyy_zzzz_Ground International EodTransOut.txt</td>
</tr>
</tbody>
</table>

Where

- xxxxxxx is the meter number
- yyyy is the beginning cycle count number
- zzzz is the ending cycle count number

To configure the Ground report directory

1. Open the FSMS Configuration Utility.
2. Click the Report Settings tab.
3. In the Directory field, type the path or browse to the directory where you want to save the reports.
FedEx Ground U.S. Transaction Samples

Each transaction sample includes required fields for shipping FedEx Ground U.S. packages plus examples of the following field usage:

- Multiple-occurrence fields
- Custom labels
- Label save to butter file
- Reference fields
- Rate quotes and time in transit information
- Alternate return address
- Delivery to residential address
- FedEx Collect on Delivery (C.O.D.) service option
- Electronic Collect on Delivery (E.C.O.D.) service option
- Hazardous materials service option
- Open Ship shipment

Multiple and Single Piece Transaction Samples

A FedEx Ground or FedEx Home Delivery multiple-piece shipment (MPS) consists of two or more packages shipped to the same recipient. An MPS shipment uses a single transaction with multiple occurrence fields (called Single Shot) or an Open Ship transaction.

Single Shot Multiple-Piece Shipment (MPS) with Multiple Occurrence Fields

```
0,“20”1,”5 Package Ground Single Transaction MPS”11,”Recipient Company”13,”20 Peachtree Rd.”15,”Pottstown”16,”PA”17,”19464”18,”9012639234”1670,”15”1670-2,”15”1670-3,”5”1670-4,”5”1670-5,”5”23,”1”50,”US”187,”199”498,””537,“\printserver\eltronlp”1273,”01”1274,”92”1282,”N”3002,”Shipmenfo Invoice Number”3056,”Package PO 001”3056-2,”Package PO 002”3056-3,”Package PO 003”3056-4,”Package PO 004”3056-5,”Package PO 005”3062,”2”99,””
```

Single Shot Multiple-Piece Shipment (MPS) with Custom Label

```
```

Single Shot Multiple-Piece Shipment (MPS) with Multiple Occurrence Reference Fields

```
```
Single Piece FedEx Ground Shipment with Request for Both Rate and Time in Transit

0,"020","Single Package Ground Rate Quote/Time in Transit","1","Recipient Company","13","20 Peachtree Rd."15","Memphis","16","TN","17","38125","18","9012639234","23","1"50","US","187","199","498","%537","\printserver\eltronlp\1234","301273","01","1274","92","1282","N","1660","N","1670","1500","3056","PO Number 0001","3062","2","99","0"

Single Piece with Alternate Return Address

0,"020","Single Package Ground Alternate Return Address","11","Recipient Company","13","20 Peachtree Rd."15","Memphis","16","TN","17","38125","18","9012639234","23","1"50","US","187","199","498","%537","\printserver\eltronlp\1234","301273","01","1274","92","1282","N","1485","N","1486","Data Processing Inc","1487","1533 Main Street","1488","Suite 2000","1489","Waco","1490","TX","1491","76701","1492","8561239876","1585","US","1586","Y","1660","N","1670","1500","3056","PO Number 0001","3062","2","99","0"

Single Piece with Collect on Delivery Service Option and Return to Third Party

0,"020","Ground C.O.D. 3rd Party Return","11","Recipient Company","12","Someone","13","20 Peachtree Rd."15","Memphis","16","TN","17","38125","18","9012639234","23","1"27","Y","50","US","53","10","186","Y","187","199","498","%537","\printserver\eltronlp\1237","9012639234","1238","C.O.D. Manager Inc","1239","Collections","1240","30 FedEx Parkway","1241","1st Floor Horiz","1242","1243","Collierville","1244","TN","1245","1246","3017","1247","1248","1249","1250","1251","1252","1253","1254","1255","1256","1257","1258","1259","1260","1261","1262","1263","1264","1265","1266","1267","1268","1269","1270","1271","1272","1273","01","1274","92","1282","N","1660","N","1670","1500","3000","1","3056","PO Number 0001","3062","2","99","0"

Single Piece with Electronic Collect on Delivery Service Option

0,"020","Ground E.C.O.D. w/o 3rd Party Return","11","Recipient Company","12","Someone","13","20 Peachtree Rd."15","Memphis","16","TN","17","38125","18","9012639234","23","1"50","US","53","10","186","Y","187","199","498","%537","\Code\1273","1274","92","1282","B","1660","Y","1670","1600","3000","1","3014","Y","3056","PO Number 0001","3062","2","99","0"

Single Piece with Dimensional Height, Width and Length To Be Delivered to Residential Address

0,"020","Ground Residential with Dims","11","Recipient Company","13","20 Peachtree Rd."15","Atlanta","16","GA","17","30052","18","9012639234","23","1"50","US","57","12","58","10","59","65","187","199","440","Y","498","%537","\C:\2D Bar Code\1273","01","1274","92","1282","B","1660","Y","1670","300","3062","2","99","0"

Single Piece with Label Saved to Buffer File for Printing Later

0,"020","Single transaction MPS, label buffer saved to file","11","Recipient Company","13","20 Peachtree Rd."15","Pottstown","16","PA","17","19464","18","9015551212","23","1"50","US","187","199","498","%537","\Code\1273","1274","92","1282","S","1670","500","1670-2","500","1670-3","500","1670-4","500","1670-5","500","3002","Shipment Invoice Number","3056","PO 001","3056-2","PO 002","3056-3","PO 003","3056-4","PO 004","3056-5","PO 005","3062","2","99","0"
FedEx Ground and Home Delivery Return Transaction Samples

The following code samples show 020 Global Ship Request transactions for Return shipments using the FedEx Ground and Home Delivery services.

Return Shipment Prepaid for FedEx Ground Service

0,"020"1,"Ground Return shipment Prepaid"4,"5","904 Main St"6","7","Jackson"8","SC"9","29831"17","201"12","Mr. Customer"13","50","US"17","183","901269234"18","199"498","537","\printserver\eltornlp"1234","1273","01"1274","92"1282","N"1660","N"1670","320" 2382,"2"3056,"PO Number 0001"3062,"2"99",""

Return Shipment with Third-Party Payer for FedEx Ground Service

0,"020"1,"Ground Return 3rd Party Billing"4,"5","904 Main St"6","7","Jackson"8","SC"9","29831"20","123456789" 23","3"32","Mr. Customer"50","US"17","183","901269234"18","199"498","537","\printserver\eltornlp"1234","1273","01"1274","92"1282","N"1660","N"1670","1500"2382,"2"3056,"PO Number 0001"3062,"2"99",""

Return Shipment with Alternate Return Address for FedEx Ground

0,"020"1,"Ground Return alternate return address"4","5","904 Main St"6","7","Jackson"8","SC"9","29831"11","Product Returns"12","Return Manager"13","1685 Briarwood Lane"14","15","Pottstown"16","PA"17","19466"18","6105551212"23","1"32","Mr. Customer"50","US"17","183","9012639234"187","199"498","537","C:\:2D Bar Code"1234","1273","01"1274","92"1282","E"1660","Y"1670","2000"2382,"2"3056,"PO Number 0001"3062,"2"99",""

Return Shipment Prepaid for FedEx Home Delivery Service

0,"020"1,"FHDS Return shipment Prepaid"4","5","904 Main St"6","7","Jackson"8","SC"9","29831"17","15"23","1"32","Mr. Customer"50","US"17","183","901269234"187","99"498","537","1234","1273","01"1274","90"1660","Y"2382","2"3056","PO Number 0001"3062,"2"99",""

Return Shipment with Third Party Payer for FedEx Home Delivery

0,"020"1,"FHDS Return shipment 3rd Party Billing"4","5","904 Main St"6","7","Jackson"8","SC"9","29831"20","123456789"23","3"32","Mr. Customer"50","US"17","183","901269234"187","199"498","537","1234","1273","01"1274","90"1660","Y"1670","1000"2382,"2"3056","PO Number 0001"3062,"2"99",""
Return Shipment for FedEx Home Delivery with Label File Saved to Buffer File for Later Printing

0,"020"1,"FHD Return, label buffer saved to file"4","5","904 Main St"6","7","Jackson"8","SC"9,"29831"23","1"32,"Mr. Custom-er"50,"US"117,"US"183,"9012631234"187","199"498",""537","C:\:Label Buf-fer"1234",","1273","01"1274","90"1282","S"1660","N"1670","300"2382","2"3056,"PO Number 0001"3062","2"99,""

FedEx Home Delivery (FHD) Transaction—Samples

These samples are 020 Global Ship Request transactions for FedEx Home Delivery service with the following special options:

- Appointment Delivery
- Date Certain
- Evening Delivery
- Delivery Signature
- ShipAlert Notification

Single Piece FedEx Home Delivery with Appointment Delivery Service Option

0,"020"1,"FHD Appointment Delivery"12","Mr. John Recipient"13","123 Main St."15","Memphis"16","TN"17,"38125"18,"9012631234"23","1"50,"US"187","199"498",""537","\printserver\eltronLP"1273,"01"1274","90"1282","S"1660","N"1670","100"3020","3"3024","9012631234"3056,"PO Number 0001"3062,"2"99,""

Single Piece FedEx Home Delivery with Date Certain Service Option


Single Piece FedEx Home Delivery with Evening Delivery Service Option


Single Piece FedEx Home Delivery with Evening Delivery and Signature Required


Single Shot Transaction for Multiple-Piece Shipment by FedEx Home Delivery Service to Residential Ad-dress

0,"020"1,"5 package FHD single transaction MPS"12","Mr. John Recipient"13","20 Peachtree Rd."15","Pottstown"16","PA"17,"19464"18,"901234567"23","1"50,"US"187","199"498",""537","\printserver\eltronLP"1234",","1273","01"1274","90"1282","N"1660","N"1670","600"1670-2","600"1670-3","600"1670-4","600"1670-5","600"3002","Shipment Invoice Num-ber"3056","PO 001"3056-2","PO 002"3056-3","PO 003"3056-4","PO 004"3056-5","PO 005"3062","2"99,""

Single Piece FedEx Home Delivery with Appointment Delivery Option and ShipAlert e-mail

0,"020"1,"FHD Appointment Delivery with ShipAlert e-mail"12","Mr. John Re-
FedEx Ground Hazardous Materials Transaction Sample

This sample code shows a 020 Global Ship Request transaction for a FedEx Ground hazardous materials shipment.

```
```

FedEx Ground Open Ship Transaction Sample

The following sample shows an Open Ship transaction scenario for entering and confirming a five package multiple-piece shipment.

CREATE an Open Ship shipment using 020 Global Ship Request transaction.

```
```

Open Ship shipment confirmed by 120 Global Ship Reply transaction

```
```

'ADD Second package' Request transaction

```
```

Second package confirmed by 120 Reply transaction

```
```

'ADD Third package' Request transaction

```
```

Third package confirmed by 120 Reply transaction

```
0,"120",1,"ADD Third Package"29,"123456770002193"99,"
```

'ADD Fourth package' Request transaction

```
```

Fourth package confirmed by 120 Reply transaction

```
```
‘ADD Fifth package’ Request transaction


Fifth package confirmed by 120 Reply transaction

0,120"1,"ADD Fifth Package"29"123456770002216"99,""

Request for CONFIRM of shipment


Open Ship shipment CONFIRMED in 120 Request transaction


FedEx Ground and FedEx Home Delivery Basic Streamlined Transactions

These transactions receive sender and other shipment information from the meter configuration in the FSMS Configuration Utility. For this reason, the number of fields required to complete the transactions is minimal.

FedEx Ground Sample


FedEx Home Delivery Sample

CHAPTER 7: CODING TRANSACTIONS FOR FEDEX SMARTPOST

FedEx SmartPost® is a contract-only service that helps you consolidate and deliver low-weight, less time-sensitive business-to-consumer packages to residences. FedEx® picks up, sorts, line hauls, tracks and delivers your packages to the United States Postal Service® (USPS) post office closest to you. The USPS makes final delivery to the residence.

This chapter assists developers who are integrating FedEx SmartPost service with their business shipping solution using FedEx Ship Manager® Server (FSMS). It includes this information:

- FedEx SmartPost configuration—instructions for setting up the FedEx SmartPost service and getting you started.
- FedEx SmartPost transaction coding—information about building your own FedEx SmartPost transactions using the 020 Global Ship Request transaction for shipping. It also describes other transactions such as the 004 Tracking Number Request, 007/107 End-of-Day Close and 095 Label Reprint Request transactions.
- FedEx SmartPost labels—an overview of the SmartPost shipping label.
- FedEx SmartPost transaction samples—code examples of FSMS transactions that request FedEx SmartPost shipping services.

FedEx has expanded FedEx SmartPost by leveraging the FedEx Ground® network to provide cost-effective pick-up and origin processing services to reach customers with lower volumes (less than 499 package average daily volume) of residential shipments. This service is available to all FedEx SmartPost customers who originate shipments in the 48 contiguous United States.

This chapter describes the new FedEx Ground options for FedEx SmartPost and is divided into the following sections:

- Configuring FedEx SmartPost
- FedEx SmartPost Transactions
- Transaction Rules for FedEx SmartPost
- FedEx SmartPost Service Types
- Creating a FedEx SmartPost Open Ship Transaction
- Coding Pre-Assigned Tracking Numbers
- Requesting a Rate Quote for FedEx SmartPost
- Closing a FedEx SmartPost Shipment
- Tracking FedEx SmartPost Shipments
- FedEx SmartPost Labels
- FedEx SmartPost Transaction Samples

Refer to the *FedEx Service Guide on fedex.com* for further service details and restrictions related to shipping with FedEx SmartPost. To start using FedEx SmartPost, contact your FedEx customer service representative or FedEx account executive.
Configuring FedEx SmartPost

FedEx SmartPost is a FedEx contract-only service that is configured by a FedEx authorized contact using the information provided in this section.

FedEx SmartPost service requires that FedEx designate the pickup carrier for your FedEx SmartPost shipments based on your FedEx SmartPost shipping volume. The Pickup Carrier designation is configured by a FedEx authorized contact using the password protected FSMS Configuration Utility. Although FedEx Ground will pick up FedEx SmartPost shipments, all FedEx SmartPost shipments picked up by FedEx Ground will be tendered to FedEx SmartPost which will in turn hand off these packages to the United States Postal Service (USPS) for final delivery. The USPS will make the final delivery on all FedEx SmartPost shipments regardless of whether the Pickup Carrier is designated as FedEx SmartPost or FedEx Ground.

Configuring FedEx SmartPost Settings

FedEx SmartPost configuration settings are on the Meter Settings and Tracking Numbers tabs of the FSMS Configuration Utility. You must have Field Level access privileges to configure SmartPost settings.

Figure 7-1  SmartPost Configuration Settings on Meter Settings Tab

Note: The Priority Mail, Collect on Delivery (C.O.D.) and Bill Third Party service options are no longer available with FedEx SmartPost. Please ignore these options on the configuration screen. The functionality is targeted to be removed in the next release of FedEx Ship Manager Server.
To configure FedEx SmartPost

1. Open the FSMS Configuration Utility on your system.
2. Log on with a password for Field Level access privilege.
   Note: If the Meter Settings tab is not displayed, click the Access Privileges button and type the password for Field Level access privileges.
3. Click the Meter Settings tab.
4. Locate the SmartPost Options in the lower part of the screen. This section is only available to meters/accounts which are configured for shipping in the U.S. Use Table 7-1 to guide your selections.

Table 7-1 SmartPost Settings Fields

<table>
<thead>
<tr>
<th>Settings</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SmartPost Enabled</td>
<td>When selected, this check box indicates that you have contracted to ship using the FedEx SmartPost service.</td>
</tr>
<tr>
<td>Customer ID</td>
<td>Your unique FedEx SmartPost Customer ID. This is an alphanumeric text box with a maximum of 5 characters. The Customer ID is critical for the electronic manifest of FedEx SmartPost shipments.</td>
</tr>
<tr>
<td>Mailer ID</td>
<td>A Mailer ID is issued by the US Postal Service to identify mail owners and mailing agents or other service providers, such as consolidators. The Mailer ID can be a 9-digit or a 6-digit number. The Mailer ID is used to identify mail pieces, trays, sacks or containers.</td>
</tr>
<tr>
<td>Customer Distribution Center</td>
<td>This two-digit number indicates the distribution center that supports your shipping location according to the Mailer ID. This is entered during configuration and is part of the electronic SmartPost shipping manifest file.</td>
</tr>
<tr>
<td>SmartPost Rate Files</td>
<td>This button starts the process of setting up FedEx SmartPost rates in FSMS. The rate set-up process is manual in this release (v10.0.1) and must be accomplished using the instructions in “Setting Up SmartPost Rates” in this chapter.</td>
</tr>
<tr>
<td>Postal Classes / Sub-Classes</td>
<td>There are three main postal classes and three sub-classes under each of the postal classes. These are USPS class types. Based on your FedEx SmartPost contract, your system is enabled for a certain class or class and sub-classes.</td>
</tr>
<tr>
<td>SP Hub ID</td>
<td>Select the Hub ID for the FedEx SmartPost Hub city to which you want to send the shipment. A new SP HUB ID field appears for each meter setting configured on your system. You must associate an SP Hub ID with each meter number. The Hub ID is a unique four-digit number that identifies a specific city where a FedEx SmartPost hub is located. For example, SP Hub ID 5531 identifies New Berlin as a FedEx SmartPost hub. If the FedEx SmartPost enabled option is checked, you must select an SP Hub ID. If you do not select an ID, the following error message appears: “SmartPost Hub ID Field cannot be left blank”.</td>
</tr>
<tr>
<td>PickUp Carrier</td>
<td>Identifies the FedEx service that is used by FedEx to deliver the item to the United States Postal Service (USPS) for final delivery.</td>
</tr>
<tr>
<td>Auto Close Time</td>
<td>Available if you enabled Ground Enabled in the Ground Options section of the Meter Settings tab and you selected FedEx Ground as the PickUp Carrier in the SmartPost Options section.</td>
</tr>
</tbody>
</table>

Note: The information entered in the fields in Table 7-1, such as Customer ID, Mailer ID, Customer Identification Center and SP HUB ID and customer rate files, are provided for each customer individually as part of the process of enabling FedEx SmartPost on their system. U.S. child meters are not automatically enabled for FedEx SmartPost even if the U.S. origin master is a FedEx SmartPost meter. A FedEx support representative must enable a U.S. child meter for FedEx SmartPost.

5. Click the Tracking Numbers tab.
6. Locate the SmartPost Delivery Confirmation Numbers section.
It contains the range of Delivery Confirmation Numbers (DCN) available for your FedEx SmartPost shipping. These numbers are configured on your system by your FedEx customer service representative during setup. The entry fields are:

- **Start**: The beginning of the range
- **End**: The end of the range
- **Current**: The next available Delivery Confirmation Number (DCN)

The eight-digit delivery confirmation number is embedded in the Delivery Confirmation Barcode printed on the FedEx SmartPost label. A delivery confirmation number does not repeat within a 12-month period.

### Setting Up SmartPost Rates

Follow the instructions in this section to set up shipping rates for FedEx SmartPost.

#### Before You Begin

Before you begin to set up FedEx SmartPost rates, please read the following:

- The system does not verify that the correct file is being loaded. If you select any file other than the one asked for, the system may not load any rate files at all, even though the displayed message may inform you that files were loaded successfully.

- When FedEx SmartPost rate files are *not* loaded in the correct order (see the FedEx SmartPost configuration steps below), FedEx Ship Manager Server version 10.0.1 returns the error message: “Cannot rate shipments”. It is important, therefore, that the task of loading FedEx SmartPost rate files be performed by a FedEx technical consultant.

- The system may still ask you to load the Priority Mail rates file even though this service has been discontinued by FedEx. If this happens, click **Cancel** for this step and go to the next step—load Zip to Zone.txt file.

- If the rate tables—Standard A or Standard B—do not exist or have not been set up properly, a rate of zero (0) is returned in the 120 Global Ship Reply transaction.

- Ensure that all customer-specific rate files that are received from FedEx are saved in a directory of the customer’s choosing before starting the rate setup process.

#### To set up FedEx SmartPost Rates

1. Log on to the FSMS Configuration Utility and open the **Meter Settings** tab.
2. Locate **SmartPost Options** near the bottom and click **SmartPost Rate Files** to start the rate setup process.
3. Navigate to the directory in which the rate files received from FedEx have been copied.
4. A dialog screen shows the list of available rate files. Select the SmartPost rate file that corresponds to the rate type shown in the **Choose File for SmartPost** header of the screen. For example, in the following
screen the header displays **File for SmartPost - STD A**. Therefore, select the **Std-A Converted Rates.txt** file and click **Open**.

5 The screen refreshes and shows the same list of available rate files. You may now select an additional rate file to download. The **Choose File for SmartPost** header provides information about which rate file to select next. In this example, the header displays **File for SmartPost - STD B**. Therefore, select the **STD B rates.txt** file and click **Open**.

6 The screen refreshes and shows the same list of available rate files from which you can make your next selection. Repeat the above selection process until you’ve selected all the rate files to download.

Do not attempt to download any rate files that are not shown in the list, as this may prevent any files from being downloaded.

7 When you are ready, click **Cancel**.

8 The screen refreshes and prompts you to select the **Zip to Zone** file. Select the **Zip to Zone.txt** file and click **Open**.

9 The message “SmartPost file created successfully” displays.
FedEx SmartPost Transactions

FedEx SmartPost transactions use the 020 Global Ship Request transaction and other transactions such as 004 Tracking Number Request, 007 End-of-Day Close and 095 Label Reprint transactions, to ship packages, track shipments, complete shipping processes and reprint labels.

020/120 Global Ship Request/Reply

When shipping FedEx SmartPost, you can select to process the shipment as a multiple-piece or Open Ship shipment. Open Ship allows you to create a single FedEx shipment and add pieces to the shipment over a period of time. The Open Ship process requires an initial transaction to create the shipment and several sequential transactions to add pieces until you are ready to confirm the shipment. See Chapter 4: FedEx Ship Manager Server Open Ship Transactions for information about Open Ship transactions.

FedEx SmartPost transactions do not support the shipping of dry ice, alcohol, dangerous goods and other time-critical package shipments. Special services such as Collect on Delivery (C.O.D.), Hold At Location (HAL), Inside Pickup and Delivery, Broker Select Options (BSO) and Delivery Signature Options are also not available.

You can use the 020/120 Global Ship Request/Reply transaction to request rate quotes and track your shipment. Transactions track packages using the Delivery Confirmation Number (DCN) assigned to each FedEx SmartPost package, and if FedEx Ground is the pickup carrier, you can track by FedEx Ground tracking numbers. FedEx SmartPost customers can track their shipments at fedex.com.

004 Tracking Number Request

You can use the 004 Tracking Number Request transaction to pre-assign tracking numbers to a shipment before the shipment is processed. Pre-assignment allows you to provide tracking information to your customer before the package is created.

Be sure to include field 2417 (SmartPost Service Type/Postal Indicia) when requesting pre-assignment of SmartPost tracking numbers. For information about tracking SmartPost shipments, see “Tracking FedEx SmartPost Shipments” in this chapter.

024 Shipment Query Request

You can use a query transaction to search for FedEx SmartPost shipments in the FedEx Ship Manager Server Ship History database.

095 Label Reprint Request

You can use the 095 Label Reprint Request transaction to reprint FedEx SmartPost labels.

007/107 End-of-Day Close Request/Reply

FedEx highly recommends that you perform a 007/107 End-of-Day Close transaction at the end of each shipping business day to post shipping information to FedEx and to ensure that your rating and routing information remains current.

See the FedEx Ship Manager Server Services and Shipping Guide for information about the FedEx SmartPost features implemented by these transactions.
Transaction Methods for FedEx SmartPost

There are two supported transaction methods for FedEx SmartPost shipments.

Multiple-Piece Shipment

A FedEx SmartPost multiple-piece shipment (MPS) works the same as a FedEx Express® U.S. domestic MPS shipment. Unlike FedEx Express U.S. domestic shipments, there is no master/child tracking number relationship for a FedEx SmartPost multiple-piece shipment.

Open Ship

FedEx SmartPost uses the Open Ship method to create a shipment and add individual pieces to the shipment over a period of time. Use field 541 (Open Ship Flags) in a 020 Global Ship Request transaction to ship FedEx SmartPost shipments using the Open Ship shipping process.

You cannot modify package or shipment information after you create the Open Ship shipment and begin adding pieces for FedEx SmartPost. Therefore, you may use all Open Ship functions except flag 5 (EDIT Piece) and flag 6 (EDIT Shipment) in field 541.

See “Creating a FedEx SmartPost Open Ship Transaction” in this chapter. Also see Chapter 4: FedEx Ship Manager Server Open Ship Transactions.

Transaction Rules for FedEx SmartPost

The following rules apply to FedEx SmartPost transactions:

• FedEx SmartPost supports a ship date when passed in field 24 (Ship Date) in a 020/120 Global Ship Request/Reply transaction.
• No commitment date is required for FedEx SmartPost shipments.
• No canned reports are available for FedEx SmartPost.
• Only one payment types is available for FedEx SmartPost: Bill Sender.
• FedEx SmartPost does not support the doc tab function on labels. If you use doc tab labels, the doc tab portion of the FedEx SmartPost label remains blank.
• FedEx SmartPost multiple-piece shipments (MPS) work the same as a FedEx Express U.S. domestic MPS except that there is no master/child tracking number relationship for FedEx SmartPost MPS.
• To reprint FedEx SmartPost labels, you must use the Label Reprint Utility or the 095 Label Reprint Request transaction.
• Saturday delivery is possible by USPS, and no FedEx surcharge applies in this case.
• For Open Ship shipping, you cannot edit a FedEx SmartPost package or shipment, after you create the shipment and begin adding pieces.
• The Alternate Return Address option is available for origin-destination addresses located in the 48 contiguous United States. The alternate return address prints in the Return Address section of the FedEx SmartPost label if it is provided in the shipment transaction.
Coding a Basic FedEx SmartPost Shipping Transaction

Use the 020 Global Ship Request transaction to create and ship a FedEx SmartPost shipment.

The following table describes the basic fields needed to code a FedEx SmartPost transaction.

**Table 7-2 Fields (Required and Optional) for FedEx SmartPost 020 Transaction**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Transaction Code</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0</td>
<td>Max=3</td>
<td>N</td>
<td>I</td>
<td>FDXS</td>
<td>US</td>
</tr>
<tr>
<td><strong>Customer Transaction Identifier</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Max=30</td>
<td>A</td>
<td>I</td>
<td>FDXS</td>
<td>US</td>
</tr>
<tr>
<td><strong>Shipper Information</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Sender Address Line 1</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Max=35</td>
<td>A</td>
<td>I</td>
<td>FDXS</td>
<td>US</td>
</tr>
<tr>
<td><strong>Sender Address Line 2</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Max=35</td>
<td>A</td>
<td>I</td>
<td>FDXS</td>
<td>US</td>
</tr>
</tbody>
</table>
### Required and Optional Fields for FedEx SmartPost 020 Transaction

**Transaction: 020 Global Ship Request - Open Ship, Multiple-Piece Shipment**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shipper Address Line 3</td>
<td>2420</td>
<td>Max=30</td>
<td>A</td>
<td>I</td>
<td>FDXS</td>
<td>US</td>
<td>Optional. Third address line of the Shipper address.</td>
</tr>
<tr>
<td>Sender City</td>
<td>7</td>
<td>Max=35</td>
<td>A</td>
<td>I</td>
<td>FDXS</td>
<td>US</td>
<td><strong>Field Level:</strong> Shipment <strong>REQUIRED</strong>. City name for the Shipper/Sender address. This is the city where the shipment originates. *Required field for FedEx SmartPost. *Required to override default settings.</td>
</tr>
<tr>
<td>Sender State/Province</td>
<td>8</td>
<td>Max=2</td>
<td>A</td>
<td>I</td>
<td>FDXS</td>
<td>US</td>
<td><strong>Field Level:</strong> Shipment <strong>REQUIRED</strong>. State or province code of the Shipper/Sender address. *Required field for FedEx SmartPost. *Required to override default settings. See Appendix C in the Transaction Coding Reference for a list of country codes.</td>
</tr>
<tr>
<td>Sender Postal Code</td>
<td>9</td>
<td>Max=10</td>
<td>A</td>
<td>I</td>
<td>FDXS</td>
<td>US</td>
<td><strong>Field Level:</strong> Shipment <strong>REQUIRED</strong>. Postal code for the city and state or province code of the Shipper/Sender address. *Required field for FedEx SmartPost. *Required to override default setting.</td>
</tr>
<tr>
<td>Sender Phone Number</td>
<td>183</td>
<td>Max=15</td>
<td>A</td>
<td>I</td>
<td>FDXS</td>
<td>US</td>
<td><strong>Field Level:</strong> Shipment <strong>REQUIRED</strong>. Phone number of the shipper. *Required field for FedEx SmartPost. *Required to override default settings.</td>
</tr>
</tbody>
</table>

**Recipient Information**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recipient Company</td>
<td>11</td>
<td>Max=30</td>
<td>A</td>
<td>I</td>
<td>FDXS</td>
<td>US</td>
<td><strong>Field Level:</strong> Shipment <strong>REQUIRED</strong>. Company name of the Recipient. *Required for FedEx SmartPost. *Required if shipment is being sent to a company. If this field is not applicable, field 12 (Recipient Name) must be completed.</td>
</tr>
</tbody>
</table>
### Required and Optional Fields for FedEx SmartPost 020 Transaction

**Transaction:** 020 Global Ship Request - Open Ship, Multiple-Piece Shipment

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>FedEx Shipping Service Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Recipient Contact Name</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Recipient Address Line 1</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Max=30</td>
<td>A</td>
<td>I</td>
<td>FDXS</td>
<td>US</td>
<td>Field Level: Shipment REQUIRED*. Primary address line of Recipient address. This is the address to which the shipment is sent. *Required for FedEx SmartPost.</td>
</tr>
<tr>
<td><strong>Recipient Address Line 2</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Max=35</td>
<td>A</td>
<td>I</td>
<td>FDXS</td>
<td>US</td>
<td>Field Level: Shipment. Second address line of Recipient address. This is the address to which the shipment is sent. Optional field for FedEx SmartPost.</td>
</tr>
<tr>
<td><strong>Recipient Address Line 3</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2944</td>
<td>Max=35</td>
<td>A</td>
<td>I</td>
<td>FDXS</td>
<td>US</td>
<td>Optional. Third address line of the shipment’s recipient.</td>
</tr>
<tr>
<td><strong>Recipient City</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Max=35</td>
<td>A</td>
<td>I</td>
<td>FDXS</td>
<td>US</td>
<td>Field Level: Shipment REQUIRED*. City name for the Recipient address. This is the city to which the shipment is sent. *Required for FedEx SmartPost. Minimum of 3 characters required for city name. Note: If FedEx Ground shipment, city name is limited to 20 characters.</td>
</tr>
<tr>
<td><strong>Recipient State/Province</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Recipient Postal Code</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Max=16</td>
<td>A</td>
<td>I</td>
<td>FDXS</td>
<td>US</td>
<td>Field Level: Shipment REQUIRED*. Postal code for the city and state or province code of the Recipient address. *Required for FedEx SmartPost. For a list of countries that use postal codes, see Appendix C in the Transaction Coding Reference.</td>
</tr>
</tbody>
</table>
## Required and Optional Fields for FedEx SmartPost 020 Transaction

### Transaction: 020 Global Ship Request - Open Ship, Multiple-Piece Shipment

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Recipient Country</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>50</td>
<td>Max=2</td>
<td>A</td>
<td>I</td>
<td>FDXS US</td>
<td><strong>Field Level:</strong> Shipment &lt;br&gt;<strong>REQUIRED</strong>&lt;sup&gt;*&lt;/sup&gt;.&lt;br&gt;Two-digit code indicating the country of the Recipient address.&lt;br&gt;*Required for FedEx SmartPost.&lt;br&gt;*Required for ADD Piece Open Ship function.&lt;br&gt;See Appendix C in the Transaction Coding Reference for country codes.</td>
</tr>
<tr>
<td><strong>Recipient Phone Number</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Max=15</td>
<td>A</td>
<td>I</td>
<td>FDXS US</td>
<td><strong>Field Level:</strong> Shipment &lt;br&gt;<strong>REQUIRED</strong>&lt;sup&gt;*&lt;/sup&gt;.&lt;br&gt;Phone number of the Recipient address.&lt;br&gt;*Required for FedEx SmartPost.&lt;br&gt;Note: Do not include non-numeric characters such as parenthesis or dash.</td>
</tr>
<tr>
<td><strong>FedEx SmartPost Shipment Information</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2417</td>
<td>Max=2</td>
<td>N</td>
<td>I</td>
<td>FDXS US</td>
<td><strong>REQUIRED</strong>&lt;sup&gt;<em>&lt;/sup&gt;.&lt;br&gt;FedEx SmartPost service type you use to ship the package. Indicates type of shipment and postal information placed in the &quot;stamp&quot; area of the label.&lt;br&gt;</em> Required for FedEx SmartPost.&lt;br&gt;Valid values are:&lt;br&gt;1—Standard A&lt;br&gt;3—Standard B – Bound Printed Matter&lt;br&gt;5—Standard B – Media Mail&lt;br&gt;6—Standard B – Parcel Select</td>
</tr>
<tr>
<td><strong>Packaging Type</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1273</td>
<td>Max=2</td>
<td>N</td>
<td>I</td>
<td>FDXS US</td>
<td><strong>Field Level:</strong> Shipment &lt;br&gt;<strong>REQUIRED</strong>&lt;sup&gt;*&lt;/sup&gt;.&lt;br&gt;*Required for FedEx SmartPost.&lt;br&gt;Only valid value for FedEx SmartPost is:&lt;br&gt;01—Customer packaging</td>
</tr>
<tr>
<td><strong>Pay Type</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Max=1</td>
<td>N</td>
<td>I</td>
<td>FDXS US</td>
<td><strong>Field Level:</strong> Shipment &lt;br&gt;<strong>REQUIRED</strong>&lt;sup&gt;*&lt;/sup&gt;.&lt;br&gt;*Required for FedEx SmartPost.&lt;br&gt;FedEx SmartPost allows the following payment codes:&lt;br&gt;1 — Bill Shipper <em>(default)</em></td>
</tr>
<tr>
<td><strong>SmartPost Customer ID</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2425</td>
<td>Max=5</td>
<td>N</td>
<td>I</td>
<td>FDXS US</td>
<td>Optional.&lt;br&gt;Five-digit FedEx SmartPost customer account number.&lt;br&gt;If not passed in, it defaults to the SmartPost Customer ID set during configuration.</td>
</tr>
</tbody>
</table>
### Required and Optional Fields for FedEx SmartPost 020 Transaction

Transaction: 020 Global Ship Request - Open Ship, Multiple-Piece Shipment

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Package Information

**Package Weight/Shipping Weight**

| 1670     | Max=10.2     | N         | I            | FDXS       | U          | Field Level: Package REQUIRED*. 
Weight of package or shipment. 
*Required for FedEx SmartPost shipping to specify individual package weights. FSMS will perform the weight summation and package count. 
*Required to receive rate quotes. 
This weight field supports two implied decimals for ALL shipments. You must enter individual package weights only. FSMS performs the weight summation and package count. |

**Package Height**

| 57       | Max=3        | N         | I            | FDXS       | US         | Optional. 
Field Level: Package 
Height measurement per package. 
No implied decimal places. 
For FedEx SmartPost: field is optional; always enter in inches. |

**Package Width**

| 58       | Max=3        | N         | I            | FDXS       | US         | Optional. 
Field Level: Package 
Width measurement per package. 
No implied decimal places. 
For FedEx SmartPost: field is optional; always enter in inches. |

**Package Length**

| 59       | Max=3        | N         | I            | FDXS       | US         | Optional. 
Field Level: Package 
Length measurement per package. 
No implied decimal places. 
For FedEx SmartPost: field is optional; always enter in inches. |

#### Return Information

**Print Alternate Return Address Flag**

| 1586     | Max=1        | A         | I            | FDXS       | US         | Field Level: Shipment for all shipments except FedEx International Priority DirectDistribution (IPD). For IPD shipments only, field 1586 is used at the package level. 
REQUIRED*. 
Use to override the sender address on the shipping label as the return address. 
Valid values are: 
Y—Print alternate return address on label 
N—or not present—Do not print alternate return address (default) 
*Required to override the sender address on the shipping label. |

**Return Address Contact Name**

| 1485     | Max=35       | A         | I            | FDXS       | US         | Field Level: Shipment 
REQUIRED*. 
Name of contact on return address. 
*Required if 1586 (Print Alternate Return Address Flag) is set to Y and field 1486 (Return Address Company Name) is not used. 
*Required for FedEx SmartPost. |
## Required and Optional Fields for FedEx SmartPost 020 Transaction

**Transaction:** 020 Global Ship Request - Open Ship, Multiple-Piece Shipment

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
</table>
| 1486     | Max=35       | A         | I            | FDXS           | US          | Field Level: Shipment REQUIRED*.  
Company name on return address.  
*Required if 1586 (Print Alternate Return Address Flag) is set to Y and field 1485 (Return Address Contact Name) is not used.  
*Required for FedEx SmartPost. |
| 1487     | Max=35       | A         | I            | FDXS           | US          | Field Level: Shipment REQUIRED*.  
First line of return address.  
*Required if 1586 (Print Alternate Return Address Flag) is set to Y.  
*Required for FedEx SmartPost. |
| 1488     | Max=35       | A         | I            | FDXS           | US          | Field Level: Shipment REQUIRED*.  
Second line of the return address.  
*Required if 1586 (Print Alternate Return Address Flag) is set to Y.  
*Required for FedEx SmartPost. |
| 2421     | Max=35       | A         | I            | FDXS           | US          | Optional.  
Use this field to provide more information for the return address. |
| 1489     | Max=35       | A         | I            | FDXS           | US          | Field Level: Shipment REQUIRED*.  
City name on return address.  
*Required if 1586 (Print Alternate Return Address Flag) is set to Y.  
*Required for FedEx SmartPost. |
| 1490     | Max=2        | A         | I            | FDXS           | US          | Field Level: Shipment REQUIRED*.  
State or province on return address.  
*Required if 1586 (Print Alternate Return Address Flag) is set to Y and the return address country is U.S., Canada (CA), or Puerto Rico (PR).  
*Required for FedEx SmartPost. |
| 1491     | Max=10       | A         | I            | FDXS           | US          | Field Level: Shipment REQUIRED*.  
Postal code on return address.  
*Required if 1586 (Print Alternate Return Address Flag) is set to Y.  
*Required for FedEx SmartPost. |
| 1492     | Max=15       | A         | I            | FDXS           | US          | Field Level: Shipment REQUIRED*.  
Phone number for return address.  
*Required if 1586 (Print Alternate Return Address Flag) is set to Y. |

*Required if 1586 (Print Alternate Return Address Flag) is set to Y.
## Required and Optional Fields for FedEx SmartPost 020 Transaction

### Transaction: 020 Global Ship Request - Open Ship, Multiple-Piece Shipment

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Return Country Code

- **ID:** 1585
- **Max:** 2
- **Type:** A
- **Input/Output:** I
- **FedEx Shipping:** FDXS
- **US**

**Field Level:** Shipment

**REQUIRED**.

Code for country of return address. This code must match the origin country code for the shipment.

- *Required if 1586 (Print Alternate Return Address Flag) is set to Y.*
- For FedEx SmartPost, field is optional. Valid value is U.S.
- See Appendix C in the Transaction Coding Reference for a list of country codes.

### Rate Information

#### Rate/Route/Time-in-Transit Flag

- **ID:** 1234
- **Max:** 1
- **Type:** N
- **Input/Output:** I
- **FedEx Shipping:** FDXS
- **US**

**Field Level:** Shipment for single transactions.

**Field Level:** Package for 020/120 Global Ship Request/Reply Open Ship transactions.

Optional.

Indicates the Rate/Route/Time in Transit flag. * Route is for FedEx Express and Time-in-Transit is for FedEx Ground.*

- **Valid values are:**
  - 1—Rate Quote
  - 2—Route/Time in Transit
  - 3—Rate Quote and Route

*CA and U.S. origins can rate; all origins can route.

Valid FedEx SmartPost values are:

- 1—Rate Quote
- 3—Rate Quote and Route

Passing this field in a transaction returns a rate quote only, and the shipment is not processed for shipping.

To ship a package after a rate/route request, code this field in a new 020 transaction with no value: 1234,””

Note: For Open Ship shipments you can also capture rate quotes by setting position 3 to field 541 (Open Ship Flags) to Y.

### Service Options and Notes

#### Ancillary Endorsements

- **ID:** 2416
- **Max:** 2
- **Type:** N
- **Input/Output:** I
- **FedEx Shipping:** FDXS
- **US**

Optional.

Special endorsements or delivery options specific to FedEx SmartPost.

Valid values are:

- 1—Carrier Leave If No Response
- 2—Address Service Requested
- 3—Forwarding Service Requested
- 4—Return Service Requested
- 5—Change Service Requested

**Note:** Valid values (for Standard Mail service when delivery confirmation is requested) are only 2—Address Service Requested or 4—Return Service Requested.
# Required and Optional Fields for FedEx SmartPost 020 Transaction

## Transaction: 020 Global Ship Request - Open Ship, Multiple-Piece Shipment

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Delivery Confirmation Flag</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3204</td>
<td>Max=1</td>
<td>A</td>
<td>I</td>
<td>FDXS</td>
<td>US</td>
<td></td>
<td>Optional. Indicates if Delivery Confirmation is used or not. Valid values are: Y — Delivery Confirmation, N — No Delivery Confirmation. This is optional if FedEx SmartPost field 1274 (Service Type) is set to 1—Standard Mail, 3—Bound Printed Matter or 5—Media Mail. If field 1274 is set to 6 for Standard B, it defaults to Y.</td>
</tr>
</tbody>
</table>

## Reference Information

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Max=39</td>
<td>A</td>
<td>I</td>
<td>FDXS</td>
<td>US</td>
<td></td>
<td>Field Level: Package Optional. Use this field for optional notes. This field is a package level field and must not be used if a shipment level customer reference number is assigned in field 3003 (Shipment Customer Reference Information). If this field is used simultaneously with field 3003, then field 3003 is ignored. Package level fields take precedence.</td>
</tr>
</tbody>
</table>

## END of Transaction

## End of Record Indicator

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>99</td>
<td>Max=0</td>
<td>Null</td>
<td>I/O</td>
<td>FDXS</td>
<td>US</td>
<td></td>
<td>Field Level: Shipment REQUIRED. Indicates the end of a transaction. The format is 99,“” (99 followed by a comma and two quotation marks). All FedEx Ship Manager Server transactions must end with 99,””.</td>
</tr>
</tbody>
</table>
FedEx SmartPost Service Types

For FedEx SmartPost shipping, FedEx Ship Manager Server requires field 2417 (SmartPost Service Type/Postal Indicia) instead of the 1274 (Service Type) field.

Dimensions are not required for FedEx SmartPost shipping. You can enter additional dimension information in field 57 (Package Height), field 58 (Package Width), and field 59 (Package Length), but these fields are optional.

Table 7-3 describes the different service options for FedEx SmartPost based on package weight and dimensions:

<table>
<thead>
<tr>
<th>Service Type</th>
<th>Field Value</th>
<th>Weight Minimum</th>
<th>Weight Maximum</th>
<th>Dimensions</th>
<th>Delivery Confirmation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard A - Standard Mail</td>
<td>1</td>
<td>.01 pounds</td>
<td>&lt;1 pound</td>
<td>Minimum: 6'(L) x 4'(W) x 1'(H)</td>
<td>Optional</td>
</tr>
<tr>
<td>Standard B – Bound Printed Matter</td>
<td>3</td>
<td>.01 pounds</td>
<td>15 pounds</td>
<td>Sum of length plus girth cannot exceed 108 inches. Minimum: 6'(L) x 4'(W) x 1'(H)</td>
<td>Optional</td>
</tr>
<tr>
<td>Standard B – Media Mail</td>
<td>5</td>
<td>.01 pounds</td>
<td>70 pounds</td>
<td>Sum of length plus girth cannot exceed 84 inches. Minimum: 6'(L) x 4'(W) x 1'(H)</td>
<td>Optional</td>
</tr>
<tr>
<td>Standard B – Parcel Select</td>
<td>6</td>
<td>1 pound</td>
<td>70 pounds</td>
<td>Sum of length plus girth cannot exceed 130 inches. Minimum: 6'(L) x 4'(W) x 1'(H)</td>
<td>REQUIRED</td>
</tr>
</tbody>
</table>

The dimensions noted in Table 7-3 FedEx SmartPost Service Types above are USPS standards. FedEx Ship Manager Server accepts only whole numbers with no implied decimals for package dimensions. Therefore the minimum dimension is 1 for field 57 (Package Height), field 58 (Package Width) and field 59 (Package Length).

FedEx Ship Manager Server does not sort the dimensions. Enter the longest dimension in field 59 (Package Length) and height and width in the other two fields.
Creating a FedEx SmartPost Open Ship Transaction

You can perform most Open Ship functions to prepare a FedEx SmartPost shipment. The exception are the two EDIT flags in field 541 (Open Ship Flags):

- Position 5 (EDIT a Piece) and
- Position 6 (EDIT/ADD Data to the Entire Shipment).

You may not EDIT data about a package or the shipment when you create a FedEx SmartPost Open Ship shipment.

To create a FedEx SmartPost Open Ship transaction, include all required FedEx SmartPost fields (see the FedEx Ship Manager Server Transaction Code Reference for a list) and use field 541 to indicate the Open Ship flag.

The following table describes the Open Ship flags in the required field 541 (Open Ship Flags) that are appropriate for coding a FedEx SmartPost Open Ship transaction:

<table>
<thead>
<tr>
<th>Open Ship Flags</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Field ID</td>
<td>Field Length</td>
<td>Data Type</td>
<td>Input/Output</td>
<td>FedEx Shipping Service</td>
<td>Valid For</td>
<td>Description</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----------</td>
<td>---------------</td>
<td>------------</td>
<td>---------------</td>
<td>------------------------</td>
<td>-----------</td>
<td>-------------</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| 541       | Max = 9       | A          | I             | FDXS                   | All       | REQUIRED*. Identifies transaction functions using nine one-byte flags which are set to Y to indicate shipment level or package level flag. Specify Y in the position(s) of the Open Ship functions used for a given transaction. Specify N in all other positions. All flags must be used and must be either Y or N; if you enter all Ns, all Open Ship functions are disabled. Default: YNNNNNNNY (CREATE and CONFIRM the Open Ship shipment.) Each one-byte flag is defined in sequence in the following array: 1 – CREATE an Open Ship Shipment 2 – ROUTE/Time in Transit 3 – RATE 4 – ADD a Piece 5 – N (Not applicable for SmartPost) 6 – N (Not applicable for SmartPost) 7 – DELETE a Piece 8 – DELETE the Shipment 9 – CONFIRM the Shipment *Required for Open Ship.
Coding Pre-Assigned Tracking Numbers

You can use the 004/104 Tracking Number Request/Reply transaction to obtain pre-assigned tracking numbers for FedEx SmartPost shipments. The following transaction rules apply when obtaining a pre-assigned tracking number using the 004/104 Tracking Number Request/Reply transaction and when using the numbers in 020 Global Ship Request transactions.

Pre-Assign Tracking Number Rules

- If field 499 (Tracking Number Type) is set to 17—SmartPost in a 004 Tracking Number Request transaction, the 104 Tracking Number Reply transaction returns the Delivery Confirmation Tracking Number in field 29 (Tracking Number).

- If field 499 (Tracking Number Type) is set to 18—SmartPost Tracking Number and Ground Tracking Number, the 104 Tracking Number Reply transaction returns the Delivery Confirmation Tracking Number in field 4927 (Delivery Confirmation Tracking Number) and the Ground Tracking Number in field 29 (Tracking Number).

- To designate whether the FedEx SmartPost tracking number is returned with or without Delivery Confirmation for a specific SmartPost service type, use fields 2417 (SmartPost Service Type) and 3204 (Delivery Confirmation Flag) in the 004 Tracking Number Request transaction.

- After the pre-assigned numbers are returned in the 104 Tracking Number Reply transaction, you can use them in a 020 Global Ship Request transaction to ship the package.

- Use field 4926 (Preassigned Delivery Confirmation Tracking Number) to specify the FedEx SmartPost Delivery Confirmation Tracking Number for a package in a 020 Global Ship Request transaction.

- Use field 1222 (Preassigned Tracking Number/ProNumber) to specify the Ground Tracking Number for a package in a 020 Global Ship Request transaction.
Table 7-5 explains the fields described in the above rules for pre-assigning tracking numbers for FedEx SmartPost.

Table 7-5 Parcel Select Transactions and Fields

<table>
<thead>
<tr>
<th>Transaction</th>
<th>Available Fields</th>
<th>Valid Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>004 Tracking Number Request</td>
<td></td>
<td></td>
</tr>
<tr>
<td>499</td>
<td>Tracking Number Type</td>
<td>Set to 17 to indicate the type of USPS Delivery Confirmation when FedEx SmartPost is the pickup carrier. Set to 18 to indicate the type of both the USPS Delivery Confirmation and FedEx Ground tracking numbers for a FedEx SmartPost shipment that is picked up by a FedEx Ground carrier.</td>
</tr>
<tr>
<td>2417</td>
<td>SmartPost Service Type</td>
<td>Indicates the SmartPost service type. Valid values for FedEx SmartPost as the pickup carrier are: 01—Standard A - Standard Mail 03—Standard B - Bound Printed Matter 05—Standard B - Media Mail 06—Standard B - Parcel Select Valid values for shipping using a FedEx Ground pickup carrier are: 01—Standard A - Standard Mail 03—Standard B - Bound Printed Matter 06—Standard B - Parcel Select</td>
</tr>
<tr>
<td>3204</td>
<td>Delivery Confirmation Flag</td>
<td>Indicates if Delivery Confirmation is used or not. Valid values are: Y—Delivery Confirmation N—No Delivery Confirmation</td>
</tr>
<tr>
<td>104 Tracking Number Reply</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4927</td>
<td>Delivery Confirmation Tracking Number</td>
<td>Value returned is the USPS Delivery Confirmation tracking number for a FedEx SmartPost shipment when FedEx Ground is configured as the pickup carrier.</td>
</tr>
<tr>
<td>29</td>
<td>Tracking Number</td>
<td>Value returned is the FedEx Ground tracking number for a FedEx SmartPost shipment when FedEx Ground is configured as the pickup carrier.</td>
</tr>
<tr>
<td>020 Global Ship Request—Single Piece, Single Shot and Open Ship</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shipping Transaction</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2417</td>
<td>SmartPost Service Type</td>
<td>Indicates the SmartPost service type. Valid values for FedEx SmartPost as the pickup carrier are: 01—Standard A - Standard Mail 03—Standard B - Bound Printed Matter 05—Standard B - Media Mail 06—Standard B - Parcel Select Valid values for shipping using FedEx Ground as the pickup carrier are: 01—Standard A - Standard Mail 03—Standard B - Bound Printed Matter 06—Standard B - Parcel Select</td>
</tr>
<tr>
<td>4926</td>
<td>Pre-assigned Delivery Confirmation Tracking Number</td>
<td>Specify the Delivery Confirmation tracking number that has been assigned to the package. This number was pre-assigned using the 004/104 Tracking Number Request/Reply transaction</td>
</tr>
<tr>
<td>1222</td>
<td>Preassigned Tracking Number</td>
<td>Specify the FedEx Ground tracking number after it is assigned using the 004/104 Tracking Number Request/Reply transaction.</td>
</tr>
<tr>
<td>120 Global Ship Reply—Single Piece, Single Shot and Open Ship</td>
<td></td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>Transaction Function</td>
<td>Returns the FedEx Ground tracking number if FedEx Ground is configured as the pickup carrier.</td>
</tr>
<tr>
<td>2418</td>
<td>Delivery Confirmation Barcode</td>
<td>30 digit USPS Delivery Confirmation Barcode returned when FedEx Ground is configured as the pickup carrier for the SmartPost package.</td>
</tr>
</tbody>
</table>
Requesting a Rate Quote for FedEx SmartPost

Use the 020/120 Global Ship Request/Reply transaction to request rate quotes for FedEx SmartPost. To obtain a FedEx SmartPost courtesy rate quote, set field 1234 (Rate Information) to 1—Rate Quote.

**FedEx SmartPost 120 Global Ship Reply Rate Quote**

Table 7-6 describes the fields returned in a FedEx SmartPost rate quote reply using a 120 Global Ship Reply transaction.

**Table 7-6 FedEx SmartPost Rate Quote Reply Fields**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Base Charge</td>
<td></td>
<td></td>
<td></td>
<td>Returned base transportation charge before discounts and surcharges.</td>
</tr>
<tr>
<td>34</td>
<td>Max=11.2</td>
<td>N</td>
<td>O</td>
<td>FDXS US</td>
</tr>
<tr>
<td>Total Surcharge Amount</td>
<td></td>
<td></td>
<td></td>
<td>Returned value is zero (0) USD for FedEx SmartPost shipments.</td>
</tr>
<tr>
<td>35</td>
<td>Max=11.2</td>
<td>N</td>
<td>O</td>
<td>FDXS US</td>
</tr>
<tr>
<td>Total Discount Amount</td>
<td></td>
<td></td>
<td></td>
<td>Returned value is zero (0) USD for FedEx SmartPost shipments.</td>
</tr>
<tr>
<td>36</td>
<td>Max=11.2</td>
<td>N</td>
<td>O</td>
<td>FDXS US</td>
</tr>
<tr>
<td>Net Charge</td>
<td></td>
<td></td>
<td></td>
<td>Returned Net Charge equals the Base Charge plus Total Surcharge Amount minus Total Discount Amount: field 34 + field 35 - field 36 = field 37.</td>
</tr>
<tr>
<td>37</td>
<td>Max=11.2</td>
<td>N</td>
<td>O</td>
<td>FDXS US</td>
</tr>
</tbody>
</table>

For information about 020/120 Global Ship Request/Reply transactions, see Chapter 2: About FedEx Ship Manager Server Transactions in this guide and the FedEx Ship Manager Server Transaction Coding Reference.
# Closing a FedEx SmartPost Shipment

You can close your FedEx SmartPost shipments and create a shipping manifest at any time. You can also carry over shipping from the previous day or for several days. When you close your SmartPost shipments, you can create a separate manifest for each Meter number associated with a SmartPost Hub ID if you have configured this association in the FSMS Configuration Utility dialog in the Meter Settings tab.

SmartPost does not require a fully-coded 007 End-of-Day Close Request transaction, but it does use the 007 transaction functions to perform the close. However, a manifest file must be created in order to ship SmartPost, and this is generated during the Close request.

Note: When you perform a 007 End-of-Day Close Request transaction using field 2413 (Close All Meters Flag), a separate SmartPost manifest is created for each Meter number associated with a Hub ID.

The following table lists the fields you must use in a FedEx SmartPost 007 End-of-Day Close Request transaction.

<table>
<thead>
<tr>
<th>Action</th>
<th>Field ID</th>
<th>Field Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>To close all meters and produce a FedEx SmartPost Manifest</td>
<td>Set to Y. Example: 2413,&quot;Y&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Close All Meters Flag</td>
<td>Closes all meters on the server when field 2413 is set to Y and field 3025 is passed in the same transaction.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>To specify carrier code at end-of-day close</td>
<td>Set to FDXS to perform a separate FedEx SmartPost End-of-Day Close.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carrier Code</td>
<td>You may close your SmartPost shipment at the same time you close your other FedEx shipments or close your SmartPost shipment separately. Valid values are: FDXS—Use this code if requesting Close for FedEx SmartPost only. FDXA—Use this code if closing all carriers at the same time (default when field is blank).</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

See the FedEx Ship Manager Server Transaction Coding Reference guide for details about field 2413 and field 3025.

## FedEx SmartPost Manifest

An electronic upload of the manifest for FedEx SmartPost shipments occurs when you send a 007 End-of-Day Close Request transaction to close out shipments in a trailer. If you choose, you can continue to create FedEx SmartPost shipments over many days until you have processed all packages required to fill a trailer and at that time, send the 007 transaction to generate the electronic upload of the manifest.

The maximum number of packages allowed per manifest is 99,999. If a trailer is not filled and the maximum number of packages has been reached, you must perform a Close. You can create a new manifest for the remaining portion of the trailer.

## Closing with FedEx Ground as Carrier

When you perform a 007 End-of-Day Close Request transaction for a FedEx SmartPost shipment, if the designated carrier is FedEx Ground, FedEx Ship Manager Server generates the FedEx Ground Pickup Manifest and closes the shipment.
Tracking FedEx SmartPost Shipments

FedEx recommends that you use the FedEx Web Services options for integrating FedEx shipment tracking functions into your applications. You can find information about FedEx Web Services on the Developer Resource Center at fedex.com/developer.

FedEx SmartPost Labels

The type of label that prints for your FedEx SmartPost shipment is determined by the configured carrier type within your FSMS system integration.

You’ll find changes to the FedEx SmartPost label which has been revised to comply with the United States Postal Service (USPS) specifications and FedEx operations capabilities. These changes include additional FedEx Ground support for FedEx SmartPost in FedEx Ship Manager Server version 10.0.1.

There are two types of labels, each shown in the samples below:

- FedEx SmartPost label—FedEx SmartPost is the pickup carrier.
- Parcel Select Integrated label—FedEx Ground is the pickup carrier.

Label Formats

FedEx SmartPost labels can only be produced on printers that are supported by FedEx Ship Manager Server. The following label formats are supported for FedEx SmartPost:

- 4” x 6” thermal labels
- 4” x 6” Portable Network Graphic (PNG)
- Plain paper labels (laser labels) using Device Independent Bitmap (DIB)
FedEx SmartPost Label Samples

The following samples show the two types of labels available for FedEx SmartPost shipping.

SmartPost Label

The SmartPost label is the label type that FSMS uses when FedEx SmartPost is the pickup carrier. A sample FedEx SmartPost label is shown in Figure 7-2. This sample label is for Standard B Media Mail service with USPS delivery confirmation. Refer to the Delivery Confirmation and Barcode Reference topics below for an explanation of the data in these sections of the label.

Figure 7-2 FedEx SmartPost Media Mail Sample Label

Return Address:
SN2000 TEST
100000 FedEx Gnd Drive fourth floor
West Wing
Pittsburgh, PA 15108

CARRIER LEAVE IF NO RESPONSE

SHIP TO:
SHIP TO CONTACT NAME WITH LG30
SHIP TO STREET ADDRESS LINEONE
TC026 Regular Smart Post Labels
RECIPIENT CITY USA T, NA 02747

ZIP - USPS DELIVERY CONFIRMATION e-VS

420 02747 9102 1111 1111 1000 0011 69

TC026 Regular Smart
**Integrated Label**

Integrated label is the label type that FedEx uses when FedEx Ground is the pickup carrier. A sample integrated label is shown in Figure 7-3.

The integrated label contains the FedEx Ground barcode in addition to the USPS Confirmation barcode, postal indicia, ancillary endorsements and other USPS information.

*Figure 7-3* FedEx SmartPost Parcel Select Integrated Label
Figure 7-4 describes the components of the label stamp.

**Figure 7-4 Label Stamp**

SN2000 TEST
100000 FedEx Gnd Drive fou
West Wing
Pittsburgh, PA 15208

CARRIER LEAVE IF NO RESPONSE

SHIP TO:
SHIP TO CONTACT NAME WITH LG30
SHIP TO STREET ADDRESS LINEONE
TC001 Small Shipper Smart Post
RECIPIENT CITY USA T, MA 02747

**Delivery Confirmation Number**

This figure shows the components of the Delivery Confirmation Number (DCN) that displays on the label.

**Figure 7-5 Delivery Confirmation Number**

ZIP - USPS DELIVERY CONFIRMATION e-VS

The Delivery Confirmation Number consists of the following:

- Application ID 420
- Postal Code
- Application ID 91
- 2-digit service type code
- 9-digit DUNS Number
- 8-digit Parcel ID
- 1-digit MOD 10 check digit

The last 20 digits of the Delivery Confirmation Number are the tracking number, also found in field 29 (Tracking Number).
Reference Barcode

The Reference Barcode contains the data input in field 25 (Reference Notes). If used in the 020 Global Ship Request transaction. Below the barcode is the human-readable reference. This gives you the ability to print reference data, such as SKU, work order number, purchase order number or invoice number on the FedEx SmartPost label.

Note: Field 25 is the only customer reference field available for FedEx SmartPost. If any of the following reference fields are included in the transaction, they are not processed:

- 3001 (Shipment Purchase Order Number)
- 3056 (Package Purchase Order Number)
- 3002 (Shipment Invoice Number)
- 3057 (Package Invoice Number)
- 2210 (RMA Number)
- 38 (Sender/Origin Department)

For field details, see the FedEx Ship Manager Server Transaction Coding Reference.
FedEx SmartPost Transaction Samples

Refer to these code examples to learn how to code FedEx SmartPost transactions:

- 004 Tracking Number Request transaction
- 007 End-of-Day Close Request transaction
- 107 End-of-Day Close Reply transaction
- 020 Global Ship Request transaction
- 120 Global Ship Reply transaction
- 023 Global Delete Request transaction
- 123 Global Delete Reply transaction
- Open Ship transactions

004 Tracking Number Request for FedEx SmartPost

This code example uses the 004 Tracking Number Request transaction to obtain a tracking number to a FedEx SmartPost shipment. Use field 2417 (SmartPost Service Type/Postal Indicia) and field 3204 (Delivery Confirmation Flag) to designate whether the FedEx SmartPost pre-assigned tracking number is returned with or without Delivery Confirmation for a specific SmartPost service type.

Request pre-assign of FedEx SmartPost tracking number for Standard Mail shipment (2417,"1") without Delivery Confirmation (3204,"N")

0,"004"1,"Assign SmartPost Tracking Number"499,"17"2417,"1"3204,"N"99,""

Request pre-assign of FedEx SmartPost tracking number for Standard B - Bound Printed Matter shipment (2417,"3") without Delivery Confirmation (3204,"Y")


007 End-of-Day Close for FedEx SmartPost

The following code example shows how to request a Close of all FedEx SmartPost shipping transactions at the end of a shipping day by using the 007 End-of-Day Close Request transaction.

Request Close of SmartPost shipping transactions

0,"007"1,"End of Day"498,""3025,"FDXS"99,""

107 End-of-Day Close Reply for FedEx SmartPost

This code example shows the 107 End-of-Day Close Reply transaction received as the result of a request to Close all FedEx SmartPost shipping transactions.

End-of-Day Close Reply for FedEx SmartPost shipment

020 Global Ship Request for FedEx SmartPost

The following code examples show different transaction requests based on the service types available. Note that fields without data (any field followed by empty quotation marks ("")) are not required for the transaction (except for field 99 which is required to end the transaction.

**Standard mail shipment (2417,"1") with delivery confirmation (field 3204,"Y")**

```
0,"020","Step 010","11","MPHASIS BFL","12","FSMS","13","SmartPost Shipper","14","FEDEX PARKWAY","15","Memphis","16","TN","38107","18","1234567890","23","1","25","STD A SHIPMENT","26","100","50","US","75","lbs","117","US","187","PNG","1222","????","1670","50","2416","1","2417","1","3204","y","4926","????","99",""
```

**Standard mail shipment (2417,"1") without delivery confirmation (field 3204 omitted) and carrier leave if no response (2416,"1")**

```
0,"020","1","STD A WITHOUT DC","10","11","RECIP COMPANY","12","ROGER RECIPIENT","13","123 Main Street","14","Suite 200","15","Portland","16","ME","17","04101","18","8005551212","20","23","1","24","25","STD A NO DCN","26","100","50","US","75","lbs","117","US","187","PNG","498","1670","50","2416","1","2417","1","99",""
```

**Standard mail shipment (2417,"1") with delivery confirmation (3204,"Y") and carrier leave if no response (2416,"1")**

```
0,"020","1","STD A WITH DC","10","11","RECIP COMPANY","12","ROGER RECIPIENT","13","123 Main Street","14","Suite 200","15","Portland","16","ME","17","04101","18","8005551212","20","23","1","24","25","STD A WITH DCN","26","100","50","US","75","lbs","117","US","187","PNG","498","1670","50","2416","1","2417","1","99",""
```

**Standard B Parcel Select shipment (2417,"6") with address service requested (2416,"2")**

```
0,"020","1","STD B SHIPMENT","10","11","RECIP COMPANY","12","ROGER RECIPIENT","13","123 Main Street","14","Suite 200","15","Portland","16","ME","17","04101","18","8005551212","20","23","1","24","25","STD B SHIPMENT","26","100","50","US","75","lbs","117","US","187","PNG","498","1670","100","2416","2","2417","6","2944","RECIPENT ADD LINE 3","99",""
```

**Standard B Bound Printed Matter shipment (2417,"3") with forwarding service (2416,"3")**

```
0,"020","1","STD B BOUND PRINTED MATTER","10","11","RECIP COMPANY","12","ROGER RECIPIENT","13","123 Main Street","14","Suite 200","15","Portland","16","ME","17","04101","18","8005551212","20","23","1","24","25","BOUND PRNTD MAT","26","100","50","US","75","lbs","117","US","187","PNG","498","1670","100","2416","3","2417","3","2944","RECIPENT ADD LINE 3","99",""
```

**Standard B Media Mail shipment (2417,"5") with change service requested (2416,"5")**

```
0,"020","1","STD B MEDIA MAIL","10","11","RECIP COMPANY","12","ROGER RECIPIENT","13","123 Main Street","14","Suite 200","15","Portland","16","ME","17","04101","18","8005551212","20","23","1","24","25","STD B MEDIA MAIL","26","100","50","US","75","lbs","117","US","187","PNG","498","1670","100","0","2416","5","2417","5","2944","RECIPENT ADD LINE 3","99",""
```
Coding a Basic FedEx SmartPost Shipping Transaction

Standard B Parcel Select shipment (2417,"6") with change service requested (2416,"5")


120 Global Ship Reply for FedEx SmartPost

The following code examples show the different replies you can receive to a 020 Global Ship Request transaction depending on the USPS service type you requested for your FedEx SmartPost shipment. Note that fields without data (any field followed by empty quotation marks "") are not required for the transaction (except for field 99 which is required to close the transaction).

Reply to FedEx SmartPost USPS standard mail shipment


Reply to FedEx SmartPost USPS Standard B shipment


Reply to FedEx SmartPost USPS Standard B Bound Printed Matter shipment


Reply to FedEx SmartPost USPS Standard B Media Mail shipment


Reply to FedEx SmartPost USPS Standard B Parcel Select shipment


023/123 Global Delete Request/Reply for FedEx SmartPost

These two code examples show how to delete a FedEx SmartPost package by specifying the tracking number.

Delete a FedEx SmartPost package by tracking number

0,"023"1,"Global Delete Package"29,"01123456987000000556"498","99",""
0,"023"1,"Global Delete Package"29,"01123456987000000565"498","99",""
Reply to above requests to delete FedEx SmartPost packages


**FedEx SmartPost Open Ship Transactions**

The following code examples are specific to shipping a FedEx SmartPost shipment using the Open Ship shipping method.

**ADD standard mail package without delivery confirmation and with address service requested**


**ADD a Standard B – Bound Printed Matter package with return service requested**

CHAPTER 8: CODING TRANSACTIONS FOR FEDEX INTERNATIONAL SHIPPING

FedEx Ship Manager® Server (FSMS) includes transaction fields that enable you to implement FedEx services as an integrated shipping solution for your international business.

This chapter provides an overview of the FSMS-integrated international service offerings from FedEx. It explains what you need to prepare an international shipment, the types of documents required for your shipment to clear customs, and where to find information in this guide to help you code transactions for shipping internationally with FedEx.

This chapter includes these sections:

- FedEx International Shipping Services
- FedEx Global Trade Manager Online
- Processing an International Shipment
- International Shipping Documents
FedEx International Shipping Services

FedEx provides the shipping solutions, resources and support you want for moving your products to their international destinations. One of the first steps in coding transactions for international shipping is determining which FedEx service your company plans to use. Table 8-1 lists the FedEx international services supported by FSMS and where you can find information about coding transactions in this guide.

**Table 8-1 FedEx International Shipping Services At-A-Glance**

<table>
<thead>
<tr>
<th>Your Shipping Need</th>
<th>Our Service</th>
<th>Also See...</th>
</tr>
</thead>
<tbody>
<tr>
<td>FedEx Express® International Package Service</td>
<td></td>
<td>Chapter 9: Coding Transactions for FedEx Express International Services</td>
</tr>
<tr>
<td>FedEx Europe First®</td>
<td>Intra-Europe, next day</td>
<td></td>
</tr>
<tr>
<td>FedEx International First®</td>
<td>2 business days to Europe</td>
<td></td>
</tr>
<tr>
<td>FedEx International Priority®</td>
<td>In 1, 2 or 3 business days worldwide</td>
<td></td>
</tr>
<tr>
<td>FedEx International Economy®</td>
<td>Within 5 business days worldwide</td>
<td></td>
</tr>
<tr>
<td>FedEx International Broker Select®</td>
<td>Choose your own broker</td>
<td></td>
</tr>
<tr>
<td>FedEx International Ground® Package Service</td>
<td>Economical ground delivery to Canada</td>
<td>Chapter 10: Coding Transactions for FedEx International Ground Services</td>
</tr>
<tr>
<td>FedEx International Ground®</td>
<td>Drop-ship option for U.S.-to-Canada shipments</td>
<td></td>
</tr>
<tr>
<td>FedEx Ground Mult weight®—U.S. Export only Contract-only Service*</td>
<td>Bulk ground shipments</td>
<td></td>
</tr>
<tr>
<td>FedEx International Broker Select®</td>
<td>Choose your own broker</td>
<td></td>
</tr>
<tr>
<td>FedEx Express International Freight Service</td>
<td>FedEx International Priority® Freight</td>
<td>Chapter 9: Coding Transactions for FedEx Express International Services</td>
</tr>
<tr>
<td>FedEx International Economy® Freight</td>
<td>In 1, 2 or 3 business days worldwide</td>
<td></td>
</tr>
<tr>
<td>FedEx International Economy® Freight</td>
<td>Within 5 business days worldwide</td>
<td></td>
</tr>
</tbody>
</table>

*Contact your FedEx account executive for information about FedEx Ship Manager Server Contract-only Services.

For information about coding transactions for FedEx Transborder Distribution, see Chapter 11: Coding Transactions for Transborder Distribution.


**FedEx Special Options for International Service**

FedEx offers a number of special service options for international shipments. They include:

- Special handling for certain commodities and/or packaging
- Signature, proof of delivery and shipment alert notifications
- Special delivery options such as Saturday service, future ship date and holding a package for pickup
- Collect on Delivery and special electronic payment service
- Customs broker selection options
- Special handling for dangerous goods and hazardous materials
- Mutiweight pricing for contracted accounts

Note: In general, be sure to research the international regulations for specific commodities you plan to ship. Depending on the Harmonized Tariff System (HTS) classification for your commodity, your shipment may require special handling and other special services. See [fedex.com](http://fedex.com) for more information about commodity classification.
Table 8-2 lists the special service options available for FedEx Express International and FedEx International Ground services when you implement FedEx Ship Manager Server as a solution.

**Table 8-2 FedEx International Shipping Services Special Options**

<table>
<thead>
<tr>
<th>FedEx International Special Options</th>
<th>FedEx Express</th>
<th>FedEx Ground</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry Ice</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Alcohol</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FedEx® Delivery Signature Options</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Hold at FedEx Location</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Saturday Service</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Future Day</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Collect on Delivery</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Dangerous Goods</td>
<td>Yes</td>
<td><em>(Not applicable)</em></td>
</tr>
<tr>
<td>Hazardous Materials</td>
<td><em>(Not applicable)</em></td>
<td>Yes</td>
</tr>
<tr>
<td>FedEx International Broker Select</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>FedEx Express MPS Pricing</td>
<td>Yes</td>
<td><em>(Not applicable)</em></td>
</tr>
<tr>
<td>FedEx Ground Multiweight Pricing</td>
<td><em>(Not applicable)</em></td>
<td>Yes</td>
</tr>
<tr>
<td>FedEx ShipAlert®</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

For more information about special services, see Chapter 5: Coding Transactions for FedEx Express U.S. Service and Chapter 6: Coding Transactions for FedEx Ground U.S. Services in this guide.

**FedEx Transborder Distribution**

FedEx Transborder Distribution is a cross-border service provided by FedEx Ship Manager Server that enables a shipper to consolidate shipments to the U.S. from Canada or Mexico and is available for shipping packages/commodities to the U.S. only. After your shipment enters the U.S., the shipment may be managed by FedEx U.S. services, including FedEx Express, FedEx Ground and FedEx Home Delivery.

Table 8-3 lists the FedEx U.S. services available to a FedEx Transborder Distribution shipment after it enters the U.S.

**Table 8-3 FedEx Transborder Distribution - FedEx Express and FedEx Ground U.S. Services**

<table>
<thead>
<tr>
<th>Your Shipping Need</th>
<th>Our Service</th>
<th>Also See.</th>
</tr>
</thead>
<tbody>
<tr>
<td>FedEx Express Services</td>
<td></td>
<td>Chapter 5: Coding Transactions for FedEx Express U.S. Service</td>
</tr>
<tr>
<td>First thing the next-business-day morning</td>
<td>FedEx First Overnight®</td>
<td></td>
</tr>
<tr>
<td>Next-business-day morning</td>
<td>FedEx Priority Overnight®</td>
<td></td>
</tr>
<tr>
<td>Next-business-day afternoon.</td>
<td>FedEx Standard Overnight®</td>
<td></td>
</tr>
<tr>
<td>2 business days</td>
<td>FedEx 2Day®</td>
<td></td>
</tr>
<tr>
<td>3 business days</td>
<td>FedEx Express Saver®</td>
<td></td>
</tr>
<tr>
<td>In 1, 2 or 3 business days within the U.S.</td>
<td>FedEx 1Day® Freight, FedEx 2Day® Freight, FedEx 3Day® Freight</td>
<td></td>
</tr>
<tr>
<td>FedEx Ground Services</td>
<td></td>
<td>Chapter 6: Coding Transactions for FedEx Ground U.S. Services</td>
</tr>
<tr>
<td>Economical ground delivery to businesses</td>
<td>FedEx Ground®</td>
<td></td>
</tr>
<tr>
<td>Economical ground delivery to residences</td>
<td>FedEx Home Delivery®</td>
<td></td>
</tr>
</tbody>
</table>

For more information about FSMS and FedEx Transborder Distribution service, see Chapter 11: Coding Transactions for Transborder Distribution.
FedEx International Direct-Distribution Services

FedEx offers direct-distribution services for shippers who want to consolidate their international shipments for customs clearance at a single entry and then, within the destination country, break the shipment down into smaller components to distribute to individual recipients.

The FedEx International Ground service is specific to Canadian shipments and allows qualified U.S. shippers to consolidate FedEx Ground shipments for distribution within Canada. The shipment clears Canadian customs as a single shipment and is broken down into smaller shipments once inside Canada.

Table 8-4 lists the FedEx international direct-distribution services that you can implement with FedEx Ship Manager Server (FSMS). For those services which are contract-only, contact your FedEx account executive to learn how to get approved for these services.

Table 8-4 FedEx International Direct-Distribution Services At-A-Glance

<table>
<thead>
<tr>
<th>Your Shipping Need</th>
<th>Our Service</th>
<th>Also See...</th>
</tr>
</thead>
<tbody>
<tr>
<td>FedEx Express® International DirectDistribution Services</td>
<td>FedEx International Priority DirectDistribution® <em>(Contract-only Service)</em></td>
<td>Chapter 12: Coding Transactions for FedEx International Priority DirectDistribution</td>
</tr>
<tr>
<td>Consolidate FedEx Express shipments to clear customs at a single entry, then deliver to individual recipients in the destination country</td>
<td>FedEx International Economy DirectDistributionSM Service <em>(Contract-only Service)</em></td>
<td></td>
</tr>
<tr>
<td>Clear shipments through customs at a single entry, with delivery to individual recipients in the destination country</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FedEx International Ground® DirectDistribution Service</td>
<td>FedEx International Ground® DirectDistribution <em>(Contract-only Service)</em></td>
<td>Chapter 10: Coding Transactions for FedEx International Ground Services</td>
</tr>
<tr>
<td>Consolidate economical ground delivery shipments in order to clear customs at a single entry point and then distribute to individual recipients in Canada</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FedEx Express International DirectDistribution Freight Service</td>
<td>FedEx International Priority DirectDistribution® Freight</td>
<td>Chapter 12: Coding Transactions for FedEx International Priority DirectDistribution</td>
</tr>
<tr>
<td>Consolidate shipments from a single origin location to multiple recipients in one destination country using one FedEx® International Air Waybill</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Contact your FedEx account executive for information about FedEx Ship Manager Server Contract-only Services.*
FedEx Global Trade Manager Online

The FedEx Global Trade Manager is an online resource for FedEx international shippers on http://www.fedex.com/gtm. When you use the FedEx Global Trade Manager, you can:

- Find the required documents for your international shipment.
- Estimate the duties and taxes that will be levied against your international shipment.
- Get origin and destination country information you need for your shipment, including statistics on demographics and business information.
- Get shipping advisories that include important regulatory information specific to your shipment.
- Identify individuals, companies and other parties that have been denied international business transactions.

The FedEx Global Trade Manager can save you time by identifying which of the many different types of customs and international trade documents are required for your shipment. The online tool asks you to identify the origin and destination of your shipment and the Harmonized Tariff System (HTS) code for the product you are shipping. Based on this information plus the type of transaction your shipment represents, the tool shows you a list of required, optional and recommended documents that are appropriate for your shipment.

FedEx International Resource Center

In addition to these tools, the site provides links to the FedEx International Resource Center located at http://www.fedex.com/us/international/irc where you can:

- Research your shipment and country-specific shipping regulations
- Understand how to prepare and complete an international shipment
- Select a FedEx international shipping service
- Find the FedEx international documents required for your specific shipment
- Access links to external international resources, such as NAFTA Customs.

FedEx international shipping resources are updated constantly to provide you with the latest in international alerts and regulatory changes. Be sure to revisit the site on a regular basis for these updates.

Processing an International Shipment

The steps for preparing and completing an international shipment require that you:

- Research your shipment
- Pack and process the shipment
- Prepare labels
- Print international documents
- Confirm the shipment
- Schedule FedEx pickup

You may use the Global Trade Manager at http://www.fedex.com/gtm to assist you with the tasks in this list.

Research Your Shipment

International trade and shipping regulations vary from country to country. When you research your shipment, you decrease the risks of unwanted surprises, potential shipping delays and customs clearance issues. FedEx recommends that you follow these steps to reduce the risk of delays and ensure timely delivery of your FedEx shipments:

1. Profile Origin and Destination Countries

   Understanding the shipping and regulatory laws of the destination country to which you want to ship is a first step in the international shipping process. To help you find information about the country you are shipping to, FedEx provides country profiles that give you country-specific overviews and statistics relevant to international shipping. You can access these profiles from the FedEx Global Trade Manager site. You can also access them from the FedEx International Resource Center on http://www.fedex.com/us/international/irc.

   Country profiles include a list of items prohibited for import or export. They also include a list of general import and export restrictions, special import provisions, standards and regulatory contact information. If there are special restrictions or prohibitions which are specific to a country, these items are listed also.

   The International Resource Center also has additional links to currency conversion documents, and for China and India, there are links to the China Reference Guide and India Reference Guide provided by FedEx to assist you in your shipping to these countries.

   If you are interested in understanding the import clearance process that FedEx uses to clear your shipments through customs, read the General Import Clearance Process section in your destination country’s profile.

2. Check for Regulatory Updates

   FedEx provides a list of important regulatory updates for U.S. exporters and importers. You can find this information on http://www.fedex.com/us/international/irc in the FedEx International Shipping Resources section of the International Resource Center.

3. Check for Denied Parties

   FedEx helps you to identify individuals, companies and other parties that have been denied the ability to transact international business. This information is available to registered fedex.com users. Please register for FedEx Global Trade located at http://www.fedex.com/gtm to use this tool.

4. Research Duties and Taxes

   FedEx can help you estimate the duties and taxes related to your international shipment. This information is available to registered fedex.com users. Please register for FedEx Global Trade located at http://www.fedex.com/gtm to use this tool.
5. Choose a FedEx International Service

Factors such as transit time, shipping weight and size, commodity type and value, shipping and handling fees and regulatory restrictions will influence how you determine which FedEx international service is a fit for your need. Your FedEx account executive can discuss service options with you and register you for Contract-Only services for international shipping.

6. Research Rates and Transit Times

The transit time for your international shipment is influenced by the

- distance from shipping origin to recipient address
- weight of the shipment
- FedEx shipping service you selected and
- restrictions that may apply for the final destination country.

Various regulatory clearances in addition to custom clearance may be required for certain commodities, thereby, extending the transit time. Please visit fedex.com to get an estimate on rates and transit times for your shipment.

Pack and Process the Shipment

If you research the requirements of your destination country—related to commodity, packaging, restrictions and prohibitions—before you process your shipment, you will be able to assemble and pack your shipment with the assurance that it will meet the appropriate customs regulations at point of entry.

FedEx Ship Manager Server gives you several transaction methods for processing your international multiple-piece shipments. These are described in this guide in Chapter 2: About FedEx Ship Manager Server Transactions.

Open Ship Transactions

You may use the Open Ship transaction method for all FedEx international shipping services. Open Ship allows you to create and enter information for your international shipment as it is received, rather than entering all of the shipping information only when the shipment is ready to be processed. The shipment remains "open" accepting each item as you enter it and closing only when you confirm over a seven day period.

The Open Ship method is described in Chapter 4: FedEx Ship Manager Server Open Ship Transactions.
Preparing a FedEx Express International Shipment

Use the following checklist to help you prepare a FedEx Express international shipment with completed documentation, labels and forms.

Note: If you have already prepared your shipment and want to know which documents are required for your specific shipment, log on to the FedEx Global Trade Manager at http://www.fedex.com/gtm, check the Find International Documents check box and click Go.

Table 8-5 lists the documents, labels and forms that may be required for a FedEx Express international shipment.

Table 8-5 Guidelines for FedEx Express International Shipment Preparation

<table>
<thead>
<tr>
<th>Completed Document</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commercial Invoice for FedEx Express</td>
<td>This document is completed by the seller/shipper/exporter and describes the goods being transported and the parties involved in the shipping. It is the primary document used by Customs. The document should include a detailed breakdown of all items in the shipment and a proper description of all goods (see Table 8-8). Some countries require that an original invoice be created on the shipper’s letterhead. The invoice should always be signed and dated by the exporter with a statement certifying that the details provided are true and correct representations of the contents covered in the Commercial Invoice for FedEx Express. For shipments to Canada, provide one signed original and four copies.</td>
</tr>
<tr>
<td>Pro Forma Invoice</td>
<td>This document may be used for customs clearance purposes when permits need to be acquired in advance or when the original commercial invoice is lost. See “Pro Forma Invoice” in this chapter.</td>
</tr>
<tr>
<td>NAFTA Certificate of Origin</td>
<td>This is required to obtain duty-free status for goods that qualify under the NAFTA Rules of Origin, if applicable. See “NAFTA Certificate of Origin” in this chapter.</td>
</tr>
<tr>
<td>Certificate of Origin</td>
<td>This may be required for goods that originate outside the NAFTA areas.</td>
</tr>
<tr>
<td>Shipping Label</td>
<td>The shipping label allows the movement of a shipment from the country of export to the destination country using FedEx Express Services. It contains all required information needed, such as shipper and consignee information, description of contents, and value, that facilitates the movement of the shipment and the creation of a manifest for Customs at origin and destination. See “Prepare the Label” in this chapter.</td>
</tr>
<tr>
<td>FedEx International Express Shipping Label</td>
<td>The label helps identify packages for special handling and international clearance.</td>
</tr>
<tr>
<td>Destination Control Statement</td>
<td>This statement is required for most U.S. exports and verifies that the goods in the shipment are being exported from the United States in accordance with the Export Administration Regulations. See “Destination Control Statement” in this chapter.</td>
</tr>
<tr>
<td>General Agency Agreement (for Canadian shipments)</td>
<td>This agreement document gives shippers the ability to grant authority to customs brokers to act on their behalf on an ongoing basis in regard to their import shipments into Canada. See “General Agency Agreement (GAA)” in this chapter.</td>
</tr>
<tr>
<td>Electronic Export Information (EEI)</td>
<td>This electronic document is required by the U.S. Department of Census to obtain statistical data. It was formerly known as the Shipper’s Export Declaration (SED) which can no longer be filed (as of September 2008). See “Electronic Export Information” in this chapter.</td>
</tr>
</tbody>
</table>
Preparing a FedEx International Ground Shipment

Use the following checklist to help you prepare a FedEx International Ground shipment with completed documentation, labels and forms. Proper completion ensures your FedEx International Ground packages and shipments are prepared properly.

If you have already prepared your shipment and want to know which documents are required for your specific shipment, log on to the FedEx Global Trade Manager on [http://www.fedex.com/gtm](http://www.fedex.com/gtm), check the Find International Documents check box and click Go.

### Table 8-6 Guidelines for FedEx International Ground Shipment Preparation

<table>
<thead>
<tr>
<th>Completed Document</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commercial Invoice for FedEx Ground</td>
<td>This document is provided by the seller/shipper/exporter and is the primary document used by Customs for international ground shipments (to both Canada and Puerto Rico) which require a commercial invoice. It describes the goods being transported and the parties involved in the shipping. The invoice should clearly indicate the shipper name and address; broker name and address; recipient name, address and phone number; and a detailed description of the goods. See Table 8-8. For FedEx International Broker Select® shipments to Canada, you must include contact information for the broker designated to clear the shipment. For multiple-piece shipments to a single recipient, only one complete set of commercial invoices is required (one original and four copies for shipments to Canada). This form is used for export shipments from the U.S. to Puerto Rico and Canada (complete top section for PR and CA shipments; complete bottom section for shipments to CA only).</td>
</tr>
<tr>
<td>Pro Forma Invoice</td>
<td>This document may be used for customs clearance purposes when permits need to be acquired in advance or when the original commercial invoice is lost. See “Pro Forma Invoice” in this guide.</td>
</tr>
<tr>
<td>FedEx International Ground bar-code label</td>
<td>Use FedEx Ship Manager Server to create a combination bar-code and address label (see Chapter 3). Or, use a preprinted FedEx International Ground bar-code label plus an address label you create yourself.</td>
</tr>
<tr>
<td>Blue FedEx International Ground Shipment label</td>
<td>This label helps identify packages for special handling and helps keep the packages of a multiple-piece shipment (to a single recipient) together for international clearance. This decreases the chance of a split shipment being held at customs or returned to the shipper. For a multiple-piece shipment, fill in the boxes on the blue FedEx International Ground Shipment label to number the packages that are part of that shipment, for example, package 1 of 3, package 2 of 3 and package 3 of 3.</td>
</tr>
<tr>
<td>FedEx Ground Customs Document envelope</td>
<td>This is the plastic pouch which holds your set of commercial invoices and is affixed to the package or, in the case of a multiple-piece shipment, to the lead package.</td>
</tr>
<tr>
<td>FedEx Ground Manifest or the FedEx Ground Pick-Up Record</td>
<td>If you process your shipments electronically, print your daily FedEx Ground Manifest. If you use preprinted bar-code labels, complete a page from your FedEx Ground Pickup Record. Give the manifest or pick-up record to your FedEx Ground driver along with your shipments.</td>
</tr>
<tr>
<td>NAFTA Certificate of Origin</td>
<td>This is required to obtain duty-free status for goods that qualify under the NAFTA Rules of Origin, if applicable. See “NAFTA Certificate of Origin” in this guide.</td>
</tr>
<tr>
<td>Certificate of Origin</td>
<td>This may be required for goods that originate outside the NAFTA areas.</td>
</tr>
<tr>
<td>Destination Control Statement</td>
<td>This statement is required for most U.S. exports and verifies that the goods in the shipment are being exported from the United States in accordance with the Export Administration Regulations. See “Destination Control Statement” in this chapter.</td>
</tr>
</tbody>
</table>
Table 8-6 Guidelines for FedEx International Ground Shipment Preparation

<table>
<thead>
<tr>
<th>Completed Document</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic Export Information (EEI)</td>
<td>This electronic document is required by the U.S. Department of Census to obtain statistical data. It was formerly known as the Shipper’s Export Declaration (SED) which can no longer be filed (as of September 2008). See “Electronic Export Information” in this chapter.</td>
</tr>
<tr>
<td>General Agency Agreement</td>
<td>This agreement document gives shippers the ability to grant authority to customs brokers to act on their behalf on an ongoing basis in regard to their import shipments into Canada. See “General Agency Agreement (GAA)” in this chapter.</td>
</tr>
<tr>
<td>Request for Business Number</td>
<td>The Business Number is the number assigned by the Canadian Customs Revenue Agency (CCRA) to identify importers and exporters in regard to all transactions made by them or on their behalf. See the Global Trade Manager on fedex.com for information about registration.</td>
</tr>
</tbody>
</table>


Prepare the Label

Proper preparation of the FedEx label for your shipment is a critical part of the shipment preparation process. All FedEx labels must adhere to FedEx label specifications and all non-FedEx custom labels must be approved by FedEx prior to use. The blue shipping label for a FedEx International Ground shipment is a critical form for moving a ground shipment through Customs (see “FedEx Ground Shipping Label”).

For general information about creating and printing labels, see Chapter 3: FedEx Ship Manager Server Label and Form Transactions.
Print International Documents

You can create FedEx Ship Manager Server transactions that generate and print any international document that you require for your shipment. For a list of international documents that are supported by FedEx Ship Manager Server, see the FedEx Ship Manager Server Report Codes Table in Appendix C of the FedEx Ship Manager Server Transaction Coding Reference. The Report Code table lists the code values you can enter in field 1373 (Report Code) in a 020 Global Ship Request transaction in order to identify the document or report you want to generate and print.

See “International Shipping Documents” in this guide for information about commonly required documents for international shipping.

For information about how to generate and print documents and reports, see Chapter 13: Generating FedEx Shipping Forms and Reports.

The FSMS Report Viewer Utility is another option for reviewing and printing reports. It provides the option to view shipment data after End-of-Day Close and print Close Report documents for your shipments. For information about the Report Viewer Utility, see Chapter 14: FedEx Ship Manager Server Utilities.

You can also use the FedEx Document Preparation Center on fedex.com to create and save the international documents you use most often. If you want to use FedEx commercial invoice forms, the FedEx Documentation Preparation Center provides commercial invoice forms that you can print with your letterhead. The FedEx Global Trade Manager also can assist you in finding international documents you need to ship. For more information, log on to the FedEx Global Trade Manager at http://www.fedex.com/gtm.

Confirm and Ship

You can use a single 020 Global Ship Request transaction to ship internationally or you can use the Open Ship method to accept each package as it is entered and then close only when you confirm over a seven day period.

If you use the Open Ship method to ship, your international shipment cannot ship until you CONFIRM the shipment. This is the final step in the process and is performed using the Open Ship CONFIRM shipment function (see Chapter 4: FedEx Ship Manager Server Open Ship Transactions).

When your shipment is ready to ship, be sure to print/reprint labels and complete the paperwork for your international shipment, FedEx can pick up and route your shipment to its final destination. It is important that your international documents be accurate and complete in order to get your shipment delivered within the transit times you require. This requires that as the Shipper, you prepare your shipment and the documents that accompany it properly and be ready to hand off the shipment to FedEx on schedule.
International Shipping Documents

When you complete international shipping documents properly, you assist customs agents in verifying that your shipment complies with all government regulations. These documents are critical to getting your shipment to its final destination.

FedEx Ship Manager Server supports the generation and printing of international documents. Information about how to code transactions for international shipments is provided in these chapters:

Basic Information on Shipment Documents

When filing international shipping documents, please make sure the following basic information about your shipment is included in the document:

- Shipper’s FedEx account number
- Shipper’s name, address, phone number and tax identification number (EIN/SSN).
- Recipient’s name, address with postal code (for postal-aware countries), phone number and tax identification number.

Be sure to include the postal code for your destination address. FedEx relies on these codes to route your shipments to countries that have established postal code systems, like India and China. Packages without postal codes may be delayed.

Fields for Basic Shipping Information

FedEx Ship Manager Server basic shipping fields are described in the “020/120 Global Ship Request/Reply Transactions” section of the FedEx Ship Manager Server Transaction Coding Reference. Table 8-7 lists the fields for the Shipper and Recipient information listed above.

<table>
<thead>
<tr>
<th>Basic Shipping Information</th>
<th>Use field</th>
<th>Field Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shipper Information (default is configured in FSMS Configuration Utility)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FedEx account number</td>
<td>498</td>
<td>Meter Number</td>
</tr>
<tr>
<td>Name</td>
<td>4</td>
<td>Sender Company</td>
</tr>
<tr>
<td></td>
<td>32</td>
<td>Sender Contact Name</td>
</tr>
<tr>
<td>Address</td>
<td>5</td>
<td>Sender Address Line 1</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>Sender Address Line 2</td>
</tr>
<tr>
<td></td>
<td>7</td>
<td>Sender City</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>Sender State</td>
</tr>
<tr>
<td></td>
<td>9</td>
<td>Sender Postal Code</td>
</tr>
<tr>
<td>Phone number</td>
<td>183</td>
<td>Sender Phone Number</td>
</tr>
<tr>
<td>Tax identification number</td>
<td>1139</td>
<td>Sender IRS/EIN Number</td>
</tr>
<tr>
<td>Fax number</td>
<td>1103</td>
<td>Sender Fax Number</td>
</tr>
<tr>
<td>Recipient information</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>11</td>
<td>Recipient Company</td>
</tr>
<tr>
<td></td>
<td>12</td>
<td>Recipient Contact Name</td>
</tr>
<tr>
<td>Address</td>
<td>13</td>
<td>Recipient Address Line 1</td>
</tr>
<tr>
<td></td>
<td>14</td>
<td>Recipient Address Line 2</td>
</tr>
<tr>
<td></td>
<td>15</td>
<td>Recipient City</td>
</tr>
<tr>
<td></td>
<td>16</td>
<td>Recipient State</td>
</tr>
<tr>
<td>Postal code</td>
<td>17</td>
<td>Recipient Postal Code</td>
</tr>
<tr>
<td>Country</td>
<td>50</td>
<td>Recipient Country</td>
</tr>
<tr>
<td>Shipment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight of shipment</td>
<td>1670</td>
<td>Package Weight/Shipment Weight</td>
</tr>
</tbody>
</table>
Providing Detailed Descriptions of Goods

When the description of the contents in your international shipment are precise and well-written, the risks of customs delays decrease. Here are a few guidelines for providing detailed descriptions of your goods.

Document or Commodity

Begin by determining if what you are shipping is a document or a commodity. Different countries classify documents differently, and therefore, you should understand how the specific country to which you are shipping defines them.

In general, a document is a commodity that has no commercial value. It is typically characterized by typed, written or printed matter on paper or another material, and does not require a commercial invoice. If the commodity has commercial value or is part of a commercial business transaction, it may be considered a “non-document”. All commodity shipments require a commercial invoice.

To research the classification for your commodity, use the FedEx Global Trade Manager online at http://www.fedex.com/gtm. You'll find country-specific information to determine whether your commodity is considered to be a document or non-document for your destination. If you determine that you need to create a commercial invoice, see “Commercial Invoice” in this chapter.

Commodity Description

A common reason for customs delays is an inaccurate or vague shipment description. A commodity description should answer the following questions:

- What is it?
- How many are there?
- What is it made from?
- What is the intended use?

Commodity descriptions for dangerous goods or hazardous materials have very stringent regulations and prohibitions. If you believe you may be shipping a commodity that falls into one of these classifications, be sure to thoroughly research the shipping restrictions for your commodity classification.

Commodity Classifications

All commodities imported and/or exported must be properly classified under the Harmonized Tariff System (HTS) codes to meet U.S. and foreign governments' customs requirements. Use the Harmonized Tariff System (HTS) to determine the code for your commodity. The HTS assigns six-digit codes for general categories. Countries that use the HTS are allowed to define commodities at a more detailed level than six digits, but all definitions must correspond to the six-digit HTS system. The U.S. defines commodities using 10-digit HTS codes. For links to the U.S. agencies which administer export and import HTS codes, visit the FedEx International Resource Center on fedex.com.

Commodity Export License

An export license is a specific grant of authority from the government to a particular exporter to export a specific product. Export licenses are granted on a case-by-case basis for either a single transaction or for a specified period of time. The exporter must apply for the export license. This number will be one alpha plus six numeric characters. Every license is issued with an expiration date. Commodities requiring a Department of State license may only ship on FedEx Express using FedEx International Controlled Export (FICE) service. If you need a further explanation about an export license, contact the FedEx Regulatory Consulting Group at 1.800.851.3336.
Customs Clearance Documents

Governments require export and import documentation for a number of different purposes, including national security, administration of export and import laws, control of products and protection of domestic markets, compiling of statistics, health and disease control, and protection of endangered species.

For this reason, the import and export regulations for each country vary and require different amounts of paperwork. Understanding the types of documents and information you are required to complete can help you develop FSMS transactions that generate documents with accurate and precise data for your shipment.

The following international documents are explained in this section.

• Commercial Invoice
• Pro Forma Invoice
• Destination Control Statement
• FedEx International Air Waybill
• FedEx Ground Shipping Label
• NAFTA Certificate of Origin
• General Agency Agreement (GAA)
• Electronic Export Information

Commercial Invoice

The Commercial Invoice is the official transaction record between an exporter and an importer. In most cases, it is the primary document that Customs officials use. The document is provided by the Seller, Shipper or Exporter of the goods being transported, and all parties involved in the shipping. The document should contain a detailed breakdown of the contents of the shipment, including answers to what it is, what it is made from and how it is intended to be used.

The invoice should always be dated and, for FedEx Express International, signed by the exporter with a statement certifying that the details provided are true and correct representations of the contents. The commercial invoice for FedEx International Ground does not require a signature.

This statement is known as the Shipper's Declaration and reads:

"I declare all the information contained in this invoice to be true and correct."

If you are not sure whether you need to create a commercial invoice for your shipment, call 1.800.GoFedEx 1.800.463.3339 and say "international services." You can also use the Global Trade Manager to determine if your specific shipment requires a commercial invoice (see "FedEx Global Trade Manager Online" in this chapter). FedEx provides commercial invoice forms on fedex.com that you can copy onto paper stock with your letterhead.

FedEx Express International

A Commercial Invoice for FedEx Express typically is required when you ship non-document commodities using FedEx Express service. You must submit one signed original and two copies for Customs. Your own corporate invoice is the preferred format if it contains the specific information listed in Table 8-8.

You can create a commercial invoice (field 1373 Report Code) using the FedEx Ship Manager Server transaction interface or use the FSMS Report Utility (see Chapter 14). FedEx also has a commercial invoice form that you can use to print with your letterhead. Another option is to print the FedEx Express commercial invoice provided online at the FedEx Document Preparation Center on fedex.com. For express shipments from the U.S. to Canada, use either the Commercial Invoice or a Canada Customs Invoice.

FedEx International Ground

A Commercial Invoice for FedEx Ground is required for all shipments to Canada. You must provide one original and four copies with your shipment for customs clearance. For FedEx International Broker Select shipments to Canada, you must include contact information for the broker designated to clear the shipment. Table 8-8 lists the information that is required for your international shipment on the Commercial Invoice document.
### Table 8-8 List of Information to Include on Commercial Invoice

<table>
<thead>
<tr>
<th>Commercial Invoice Information</th>
<th>FedEx Express</th>
<th>FedEx Ground</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seller/Shipper Information - name, full address, country and tax identification number (see Table 8-7)</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Recipient/Consignee information - name, full address, country and postal code if destination is a postal-aware country (see Table 8-7)</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Buyer information (if other than consignee)</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Invoice Date and Number</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Customer/Purchase Order Number</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Export/Import Broker Information for FedEx International Ground Shipments to Canada Only</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Contact Name</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Telephone</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Fax Number</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Importer-of-Record (IOR) information</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>NRI designation</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Tracking Information</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>FedEx International Air Waybill number</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>FedEx Ground Tracking Number (List individual tracking ID for every package in the shipment)</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Shipment Information</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Date of Invoice/Date of Export</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Export Carrier</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Export references (optional)</td>
<td>Optional</td>
<td>Optional</td>
</tr>
<tr>
<td>Country of Export</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Port of Lading</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Final Destination/Country of Ultimate Destination</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Detailed Description of Commodity (for each commodity in shipment)</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Commodity Description</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Commodity Classification (including grade, construction of product, and Harmonized Tariff System (HTS) classification, as appropriate)</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Technical, Generic or Scientific Name of Commodity</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Country of Manufacture</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Type of Packaging</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Marks, Numbers and Symbols (under which product is sold)</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Quantity</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Unit of Measure</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Total Number of Packages</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Total Gross Weight</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Weight Units (LBS/KG)</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Invoiced Costs and Amount</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Sale Price or Fair Market Value (of each item) / Unit Price</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Currency of Sale</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Declared Value / Amount</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Terms and Conditions of Sale</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Fees, Surcharges, Discounts, Duties/Taxes and other Costs</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Payer of Duties and Taxes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Total Invoice Amount</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Pro Forma Invoice

The Seller, Shipper or Exporter provides the Pro Forma Invoice when:

1. It is required prior to the shipment of goods in order to inform perspective buyer(s) of the type and quantities of goods to be sent, their value and such specifications as weight, size, and so forth. This information enables importers to arrange for import permits or use the invoice for other customs clearance purposes.

2. The original commercial invoice is lost. Customs has final discretion to use it for clearance purposes and may or may not deem its usage acceptable. For this reason, a Pro Forma Invoice should never be used in lieu of a commercial invoice.

Destination Control Statement

The Destination Control Statement is required on your invoice, air waybill and any export control document that accompanies your shipment to the final end-user.

The Destination Control Statement is required for most U.S. exports and should read:

"These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to United States law is prohibited."

Destination control statement for U.S. exports controlled by the U.S. Department of State should read:

"These commodities are authorized by the U.S. government for export only to [country of ultimate destination] for use by [end user]. They may not be transferred, trans-shipped on a noncontinuous voyage, or otherwise be disposed of in any other country, either in their original form or after being incorporated into other end-items, without the prior written approval of the U.S. Department of State."

You are not required to submit a Destination Control Statement if the Export Commodity Classification Number (ECCN) of your commodity is EAR99 or your shipment is eligible for and exported under License Exception BAG or GFT. For more information, log on to the FedEx Global Trade Manager on http://www.fedex.com/gtm for assistance.

FedEx International Air Waybill

An air waybill or bill of lading is the transportation document that allows the movement of a shipment using FedEx Express Services from the country of export to the country of import. It contains shipper and consignee information, a brief description of the contents, value of the commodity for Customs, and country of manufacture for all contents—essential data for moving the shipment and creating manifest documents at origin and destination for Customs.

For international shipments, use these guidelines for preparing your air waybill.

- For FedEx Express shipments up to 150 LBS—prepare the FedEx International Air Waybill.
- For FedEx Express package and freight shipments, including dangerous goods and special services—prepare the FedEx Expanded Service International Air Waybill.
- For FedEx International Express Freight—prepare the FedEx IATA (023) Air Waybill.

FedEx Ground Shipping Label

The shipping label for FedEx Ground International is the transportation document used to allow the movement of a ground shipment from origin to destination using FedEx Ground Services. The label form contains human-readable information required to move the shipment from the country of export to the country of import. Like the air waybill for FedEx Express, it contains shipper and consignee information, a brief description of the contents, value of the commodity for Customs, and country of manufacture for all contents. This information is important for moving the shipment and generating manifests at shipping origin and destination for Customs.

For international shipments, use these guidelines for preparing your shipping label:

- For FedEx International Ground package shipments—prepare the bar-code label.
- For FedEx International Ground shipments to Canada—prepare the blue FedEx Ground shipping label.
NAFTA Certificate of Origin

A NAFTA Certificate of Origin should be provided for goods that qualify for reduced or duty free entry as a product of one of the three North America Free Trade Agreement (NAFTA) participants: Canada, Mexico and the United States. The certificate is completed by the exporter or manufacturer of the goods and is provided with the commercial invoice.

The NAFTA Certificate of Origin is provided with the commercial invoice for any shipment consigned to Canada, the United States or Mexico that is $1600 CAD or more in value and qualifies under the terms of the NAFTA. The form is available in English, French and Spanish.

For information about how to code a NAFTA Certificate of Origin transaction, see Chapter 10: Coding Transactions for FedEx International Ground Services.

General Agency Agreement (GAA)

FedEx U.S. shippers are required to fill out a Canada Customs General Agency Agreement (GAA) form when shipping across the U.S.-Canada border. An Agency Agreement provides the legal authority granted by importers to a customs broker that allows them to release and/or account for shipments with the Canadian Customs Revenue Agency (CCRA) on behalf of the importer’s company.

If a Canadian Resident Importer would like FedEx Express to act as their customs broker in Canada on an ongoing basis, a Limited Agency Agreement must be completed prior to shipping into Canada. This form applies to FedEx Express shipments only.

The FedEx Trade Networks Continuous General Agency Agreement form similarly grants FedEx Ground shippers the ability to appoint FedEx Trade Networks (FTN) to act as their broker on an ongoing basis for import shipments into Canada. After you complete the form and it is accepted by FedEx Trade Networks, it is in effect until either party cancels the agreement or the agreement itself expires.

For information about how to generate a GAA document, see Chapter 10: Coding Transactions for FedEx International Ground Services.

Electronic Export Information

The Electronic Export Information (EEI) is the equivalent electronic version of the Shipper’s Export Declaration (SED), Department of Commerce (Census Bureau) form 7525-V, which can no longer be submitted to the U.S. government (as of September 30, 2008). The EEI provides export statistics and control by reporting all pertinent export data of an international shipment transaction.

The EEI is required by the U.S. Department of Census in order to obtain statistical data and also by the Bureau of Industry and Security (BIS) to assist in enforcing export controls. The EEI is required when the total value of goods classified under any Schedule B number exceeds $2500 USD or the commodities listed require an export license. This information is mandatory and must be submitted electronically by the exporter or agent through the Automated Export System (AES) for commodities listed on the Commerce Control List (CCL).

The EEI is not required for shipments from the U.S. to Canada unless the merchandise is subject to International Traffic in Arms Regulations (ITAR) or requires an export license or permit. An EEI is not required for shipment to other U.S. possessions (American Samoa, Baker Island, Commonwealth or the Northern Mariana Islands, Guam, Howland Islands, Jarvis Island, Johnston Atoll, Kingman Reef, Midway Islands, Navassa Island, Palmyra Atoll, and Wake Island) or from the U.S. Virgin Islands to the U.S. or Puerto Rico.

Also see Chapter 12: Coding Transactions for FedEx International Priority DirectDistribution and Chapter 13: Generating FedEx Shipping Forms and Reports. For additional information, visit the FedEx Global Manager on fedex.com.

Where to File

Because of U.S. Government changes in the EEI process, you must file your EEI information with AESDirect at www.aesdirect.gov. This Government-supported web site facilitates your filing requirements and provides you with the appropriate shipper identification for your packages. FedEx will apply this information with your shipment but will no longer file this information for you.
For more information regarding EEI filing, the following locations are available:

- FedEx Global Trade Manager: [fedex.com/us/international](http://fedex.com/us/international)
- AESDirect: [www.aesdirect.gov](http://www.aesdirect.gov)
- U.S. Census Bureau: [www.census.gov/foreign-trade/](http://www.census.gov/foreign-trade/)

**When To File**

You must file an EEI for all shipments from the U.S., Puerto Rico or the U.S. Virgin Islands to foreign destinations. It is also required for all shipments between the U.S. and Puerto Rico, and from the U.S. or Puerto Rico to the U.S. Virgin Islands if any of the following apply:

- Shipment of merchandise under the same Schedule B commodity number is valued at more than $2,500 USD and is sent from the same exporter to the same recipient on the same day. (Note: Shipments to Canada from the U.S. are exempt from this requirement.)
- The shipment contains merchandise, regardless of value, that requires an export license or permit.
- The merchandise is subject to International Traffic in Arms Regulations (ITAR), regardless of value.
- The shipment, regardless of value, is being sent to Cuba, Iran, North Korea, Sudan or Syria.
- The shipment contains rough diamonds, regardless of value (HTS 7102.10, 7102.21 and 7102.31).

An EEI is **not** required for shipments to other U.S. territories (American Samoa, Commonwealth of the Northern Mariana Islands, Guam, Howland Islands and Wake Island) or from the U.S. Virgin Islands to the U.S. or Puerto Rico.

**U.S. To Canada**

The EEI is **not** required for shipments from the U.S. to Canada except when one of the following apply:

- Merchandise is subject to International Traffic in Arms Regulations (ITAR)
- Shipment requires an export license or permit
- Shipped commodity is rough diamonds.

For more information about Electronic Export Information, visit the FedEx Global Trade Manager site at [http://www.fedex.com/gtm](http://www.fedex.com/gtm).

**Information for the EEI**

You'll need to identify the following information before you complete the Electronic Export Information.

- USPPI EIN and ID—if the shipper is a corporation, you’ll need the EIN Employer Identification Number (Tax ID) of the U.S. principal party in interest.
  - If the shipper is an individual, you’ll need the person’s social security number.

- Information about the relationship of parties to the transaction is required. This information indicates whether the sender and recipient are subsidiaries or divisions of the same company or are unrelated.

- Transportation Reference No.—requires that you supply your FedEx International Air Waybill number.

- Ultimate Consignee—identify the end user of the merchandise you are shipping only if the ultimate consignee is different from the consignee you entered on your FedEx International Air Waybill.

- Country of Ultimate Destination—indicate the country where the shipment will ultimately be used.

- D/F/ or M (Domestic or Foreign in AES)—indicate if the commodity was made or manufactured in the U.S. (D=domestic) or made or manufactured outside the U.S. (F=foreign).

- Schedule B Number (Commodity Classification Number in AES)—enter the correct Schedule B or Harmonized Code number and units. To find this information, go to the FedEx Global Trade Manager site on [http://www.fedex.com/gtm](http://www.fedex.com/gtm) or call the U.S. Census Bureau at 1.800.549.0595.

- Value—enter the selling price or cost of the merchandise if it has not been sold.
• License No./License Exception Symbol/Authorization (License Number/Citation in AES)—enter your export license number or license exception symbol. To determine if you need to supply this information, call the U.S. Department of Commerce at 1.202.482.4811 or 1.714.660.0144 in Newport Beach, California or visit the Bureau of Industry and Security web site at http://www.bis.doc.gov/.

AES Filing Status Field 1349

FedEx Ship Manager Server requires indication of EEI filing status for each qualifying shipment. To indicate the EEI status, use field 1349 (AES Filing Status) with a value of S.

FTR, XTN or ITN Field 1358

U.S. Customs further requires that either a Foreign Trade Regulations (FTR) exemption or Internal Transaction Number (ITN) number be provided for each EEI qualifying shipment.

Use field 1358 (FTR, XTN, or ITN Entry) to provide the FTR exemption number, the Pre-Departure ITN, the Post Departure Citation, or the AES Downtime Citation.

Note: FedEx Ship Manager Server version 8.0 forward is staged to process the changes pending U.S. government’s implementation of final rules for EEI. Until then, edits have been relaxed to accept XTN, ITN, and FTR entries in field 1358 as previously performed in FedEx Ship Manager Server version 7.6.

B13A—Canadian Export Shipments

The B13A is an export declaration form filed with Canada Customs by the Canadian exporter for all outbound shipments consigned to countries other than the United States, Puerto Rico, or the U.S. Virgin Islands. For shipments of documents and commodities, it is required when a shipment exceeds a Customs value of $1999.99 CAD. The B13A is also required for shipments of controlled commodities, as defined by Revenue Canada Customs and related agencies, regardless of the value.

B13A Filing Options Field 1651

FedEx Ship Manager Server provides field 1651 (B13A Filing Options) for Canada export shipments. The values for this field are:

• No B13A Required
• Manual B13A Required
• B13A Filing Electronically
• B13A Summary Reporting

Export Data Statement Field 1652

If you declare that a B13A is not required for your shipment, the associated “B13A Exemption Number” must also be provided in field 1652 (Export Statement Data). Visit fedex.ca/customs to view the list of exemptions and identify the B13A exemption number that applies to your shipment, then enter the B13A exemption number in field 1652. Failure to provide the B13A exemption number may result in a delay of your shipment due to Customs examination.

Note: For Product/Commodity Shipments the B13A Filing Option and associated fields must be provided for shipments of any value that are consigned to countries other than the United States, Puerto Rico, or the U.S. Virgin Islands.

For Document Shipments the B13A Filing Option and associated fields must be provided for shipments consigned to countries other than the United States, Puerto Rico, or the U.S. Virgin Islands and if the value exceeds:

$1999.99CAD  
$999.99USD  
$0 for any other currency type

The B13A information appears in B13A handling codes on the shipping label.
FedEx Trade Networks and Brokerage Services

FedEx Trade Networks helps simply international shipping by providing brokerage services to customers as an end-to-end service that covers customs brokerage, global cargo distribution, and trade facilitation.

For information about FedEx Trade Networks, contact your FedEx account executive or call FedEx Trade Networks Customer Service Team at 1.800.249.2953.
CHAPTER 9: CODING TRANSACTIONS FOR FEDEX EXPRESS INTERNATIONAL SERVICES

FedEx Express® International package services ship to and from any country supported by FedEx International services. This chapter describes how to ship FedEx Express International packages with FedEx Ship Manager® Server (FSMS).

This chapter includes these sections:

• About FedEx Express International Shipping Transactions
• Transaction Rules and Restrictions for FedEx Express International
• Coding Transactions for FedEx Express International
• FedEx Express International List Rates and Surcharges

When shipping internationally, be sure to research your shipment in advance to avoid costly delays at Customs. For a checklist of international documents that may need to accompany your FedEx Express International shipment, see Chapter 8: Coding Transactions for FedEx International Shipping.
About FedEx Express International Shipping Transactions

Before you begin to develop FedEx Express International shipping transactions, be sure to familiarize yourself with transaction coding basics in Chapter 2: About FedEx Ship Manager Server Transactions.

Use the 020/120 Global Ship Request/Reply transactions to create FedEx Express International shipment transactions. The basic FedEx Express international shipping transaction uses the same fields required for Express domestic shipping (see Chapter 5: Coding Transactions for FedEx Express U.S. Service). For information about FedEx Express international shipping transactions, see “Coding Transactions for FedEx Express International” in this chapter.

FedEx Ship Manager Server (FSMS) transactions must be formatted according to rules specified in the transaction code reference tables described in the FedEx Ship Manager Server Transaction Coding Reference guide. Be sure to reference this guide if you need additional information about a transaction field.

See the FedEx Ship Manager Server Services and Shipping Guide for information about FedEx Express International service features and details before you begin to code.

Transaction Rules and Restrictions for FedEx Express International

Shipping internationally requires time upfront to research your shipment and the Customs regulations for the destination country to which you are shipping. For general information about international shipping and transactions, please read Chapter 8: Coding Transactions for FedEx International Shipping.

The following rules apply to FedEx Express International shipping with FedEx Ship Manager Server:

• You must specify the basic commodity information required for your shipment so that FedEx can expedite Customs clearance of your packages.

• You can create your own Customs clearance documents or have FedEx Ship Manager Server generate basic documents.
  
  – FedEx Ship Manager Server can provide a Commercial Invoice (CI), Pro Forma Invoice, and a Certificate of Origin from your shipping data.
  
  – If you need more clearance documentation use FedEx Global® Trade Manager (GTM), which provides up-to-date country-specific import information, a document assistance wizard, and a duties and taxes estimator tool. FedEx Global Trade Manager is available at the following URL: fedex.com/gtm/international.

• You must provide extra thermal shipping labels with your Customs documentation (depending on your destination country) to facilitate Customs clearance. FedEx Ship Manager Server automatically generates the correct number of labels for your destination country.

• You can use FedEx packaging for Express international shipments: FedEx® Pak, FedEx® Box, FedEx® Tube, FedEx® Envelope, FedEx® 10kg Box, and FedEx® 25kg Box. You may also use your own packaging for FedEx Express international shipments.

• You can ship both standard (under 150 pounds) and freight (over 150 pounds) shipments to international destinations.

See Chapter 8 for a list of international documents and labels that may be required for your shipment and how to create them using transaction fields.
Electronic Export Information (EEI)

You must submit the Electronic Export Information (EEI) on shipments if the origin/destination is:

- From the U.S., Puerto Rico, or the U.S. Virgin Islands to international destinations
- Between the U.S. and Puerto Rico
- From the U.S. or Puerto Rico to the U.S. Virgin Islands

AND if any of the following conditions apply:

- You ship merchandise under the same Schedule B commodity number that is valued at more than $2,500 USD and is sent from the same exporter to the same recipient on the same day. Shipments to Canada are exempt from this requirement.
- The shipment contains merchandise, regardless of the values, that requires an export license and/or permit.
- The merchandise is subject to the International Traffic and Arms Regulations (ITAR).
- The shipment contains items other than personal, interoffice, or business correspondence, regardless of value, being sent to Cuba, Iran, Iraq, Libya, North Korea, Serbia (excluding Kosovo), Sudan, or Syria.

For general information about filing the EEI and other international documents which may be required for your shipment, see Chapter 8: Coding Transactions for FedEx International Shipping. You’ll find URLs for additional assistance in this chapter also.

FedEx Express International Service Options

FedEx Express International provides the following international service options for packages weighing up to 150 LBS.

- FedEx International First®
- First International Priority®
- First International Economy
- FedEx Europe First

FedEx Express International Freight handles packages and handling units over 150 LBS. It provides these service options:

- FedEx International Priority® Freight
- FedEx International Economy® Freight

For information about shipping using the above services, refer to the FedEx Ship Manager Server Services and Shipping Guide available as part of the FSMS documentation set.

FedEx Delivery Signature Options

FedEx® Delivery signature options are required for FedEx Express International shipments to the U.S. and Canada only. You may choose from the options in Table 9-1.

Table 9-1 Delivery Signature Options for U.S. and Canada

<table>
<thead>
<tr>
<th>Delivery Signature Option</th>
<th>U.S.</th>
<th>Canada</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct Signature Requested</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Indirect Signature Required</td>
<td>Yes</td>
<td>Service not offered</td>
</tr>
<tr>
<td>Adult Signature Required</td>
<td>Yes</td>
<td>Service not offered</td>
</tr>
<tr>
<td>No Signature Required</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>
For more information regarding signature requirements to the U.S. and Canada, see Chapter 11: Coding Transactions for Transborder Distribution.

**Saturday Pickup and Delivery**

Saturday shipping, delivery, and pickup options are available for international shipments. The following service details apply to FedEx Express international shipments involving Saturday service:

- U.S. export shipments to international destinations are available for pickup on Saturdays.
- For FedEx International Priority, Saturday delivery is available for shipments from the U.S. to Canada only.
- For countries that consider Saturday a regular business day (Far East and Middle East), Saturday delivery does not have to be indicated in the shipping transaction.
- Saturday pickup and delivery is not offered for FedEx International First, FedEx International Economy®, or FedEx Express Freight International services, except in countries where Saturday is a regular business day.

When coding for Saturday service, use field 24 (Ship Date), field 1266 (Saturday Delivery Flag), and field 1267 (Saturday Pickup Flag) as described in Table 9-2:

**Table 9-2 Fields for FedEx Saturday Service**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
</table>
| Ship Date | Max=8 | N | I | FDXE US INTL | | Field Level: Shipment REQUIRED*.
Date of shipment.
*Required for Future Day shipping. Format: CCYYMMDD
Default: Current meter date.
For example, July 1, 2005 is coded as: 20050701
For FedEx Express, the ship date can be set in advance up to the number of days allowed by the date range in the URSA file; includes IPD, IDF, IED and Returns services. |
| Saturday Delivery Flag | Max=1 | A | I | FDXE US CA INTL IPD SPOC | | REQUIRED*.
Specify Y if the shipment is to be delivered on a Saturday.
*Required for Saturday Delivery service.
Valid values:
Y—Saturday Delivery
N—No Saturday Delivery
Available for IPD, IPD SPOC, IDF and IDF SPOC.
Note: Saturday Delivery FedEx Express Freight shipments are only allowed within the U.S. or U.S. inbound.
For this shipment, use any method. |
Inside Pickup and Delivery

You may request inside pickup and delivery in the 020 Global Ship Request transaction if you are shipping FedEx International Priority Freight. This option is not available for international economy freight services. See Chapter 5: Coding Transactions for FedEx Express U.S. Service for information about inside pickup and delivery transaction flags and service charges.

Dangerous Goods

FedEx Ship Manager Server supports the shipping of dangerous goods (DG) for FedEx Express under International Air Transport Association (IATA) and 49CFR Air regulations. Any FedEx Express dangerous goods shipment can be shipped under IATA regulations, but only shipments that are shipped within the U.S., to and from Puerto Rico, or to and from U.S. territories can be shipped under Other Regulated Materials—Domestic (ORM-D) regulations. See Chapter 5: Coding Transactions for FedEx Express U.S. Service for information about shipping dangerous goods in the U.S.

Note: To assist in FedEx Express dangerous goods shipping, FedEx Ship Manager Server provides an IATA table in spreadsheet format in the FedEx_Tables file in the FedEx directory.

FedEx Ship Manager Server supports the printing of the 1421C Shipper’s Declaration of Dangerous Goods which is required for all dangerous goods shipments. The 1421C may be printed as a multi-ply form using a dot matrix printer or you may print this form on a laser printer using special 1421C paper (plain paper with a border of red crosshatches). The 1421C is produced at the time of shipment confirmation.

Note: Contact your FedEx Account Executive for more information about obtaining 1421C laser forms.

FedEx Ship Manager Server does not prevent dangerous goods (DG) shipments to countries which do not accept them. The Dangerous Goods checkbox appears in the Additional Options dialog box whether or not the destination country accepts dangerous goods shipments.

Contact FedEx International Customer Service at 1-800-247-4747 to verify that the destination country will accept the shipment.

Future Day

You are allowed to create a Future Day Express international shipment for up to ten (10) calendar days from the current day. Future Day shipments are uploaded to FedEx when you close your shipping day and retained in a file until the package future ship date equals the current day. You must submit a 023 Global Delete Request transaction to remove Future Day shipments from this file or you may be billed for these packages.
Cut Flowers

Depending on the customs rules for cut flowers, FedEx Ship Manager Server allows you to indicate that an international express shipment contains cut flowers using field 572 (Cut Flowers Flag). An additional surcharge is applied for cut flowers shipments. This flag is needed to ensure that FedEx Ship Manager Server returns the correct shipping costs (see “Fields for Returning Shipping Costs” in this chapter).

The following shipping rules apply:

- Destination and origin country allowances can be verified using Global Trade Manager (GTM) on fedex.com.
- An additional surcharge is applied for cut flowers shipments.
- Saturday Delivery is not allowed.
- Cut flowers shipping is not allowed for Transborder Distribution or International Priority DirectDistribution (IPD) shipments.
- Ground services are not allowed.
- Broker Select Option (BSO) is not allowed.
- FedEx packaging options are not allowed for cut flowers shipments.

Table 9-3 describes the required field for a cut flower shipment.

Table 9-3 FedEx Express Cut Flowers Flag

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input\Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>572</td>
<td>Max=1</td>
<td>A</td>
<td>I</td>
<td>FDXE INTL</td>
<td>Field Level: Shipment Optional. Indicates whether cut flowers in shipment. Applicable only to origins in LAC (Latin America), APAC (Asia and Asia Pacific), and EMEA (Eastern Middle East, Europe and Africa). Valid values are: Y—Cut flowers in shipment N—No cut flowers (default) Note: Field 572 does not return the Cut Flower surcharge fee. See the FedEx Ship Manager Server Services and Shipping Guide for cut flower shipping rules.</td>
</tr>
</tbody>
</table>
**Coding Transactions for FedEx Express International**

The basic FedEx Express international shipping transaction uses the same fields required for Express domestic shipping (see Chapter 5: Coding Transactions for FedEx Express U.S. Service).

**Fields for FedEx Express International Shipping**

Table 9-4 describes the additional fields required for FedEx Express International shipping.

**Table 9-4** Additional Required Fields for FedEx Express International Shipments

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Recipient Country</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Customs Currency Type</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>68</td>
<td>Max=3</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>INTL</td>
</tr>
</tbody>
</table>
### Required Fields for FedEx Express International Shipments

**Transaction: 020 Global Ship Request - Single Shot, Multiple-Piece Shipment, Open Ship**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72</td>
<td>Max=3</td>
<td>N</td>
<td>I</td>
<td>FDXE</td>
<td>INTL</td>
<td></td>
<td><strong>Terms of Sale</strong></td>
</tr>
</tbody>
</table>

**Field Level:** Shipment
**REQUIRED**.
Indicates the terms of the sale for the shipment.
Valid values are:
1—FCA/FOB—Free carrier/free on board
2—CIP/CIF—Carriage and insurance paid to/costs, insurance, and freight
3—CPT/C&F or CFR/CPT—Carriage paid to/costs & freight
4—EXW—Ex Works
5—DDU—Delivered duty unpaid
6—DDP—Delivered duty paid
*Required if field 113 is set to Y.

| 75       | Max=3        | A         | I            | FDXE            | All     |           | **Weight Units** |

**Field Level:** Shipment
**REQUIRED** or Defaulted.
Indicates the unit of weight used for the shipment.
*Required if your shipment is calculated in kilograms (KGS).
Valid values are:
LBS—Weight in pounds *(default for U.S. domestic and export)*
KGS—Weight in kilograms *(default for intra-Canada and all international)*
Note: For intra-U.S.(domestic) shipments, you may enter the weight in LBS or KGS.

| 79-#     | Max=450      | A         | I            | FDXE FDXG      | INTL    |           | **Description of Contents** |

**Field Level:** Shipment
**REQUIRED**.
Description of commodity contents for the shipment. This can be used for free-form entry of document description when field 2396 (Document Description) is not used.
*Required for commodity shipments or for document shipments when field 190 (Document Shipment Flag) is set to Y and field 2396 is not used.
*Required for General Agency Agreement (GAA) if import shipment.
Note: Only 31 characters of this field print on the labels, but 450 characters are available for customer input to be used on their own reports, including the Commercial Invoice.
Note: If both field 79 and 2396 are populated in the same transaction, field 2396 takes precedence. Field 79 takes precedence for IPD/IDF/IED shipments.
### Required Fields for FedEx Express International Shipments

**Transaction: 020 Global Ship Request - Single Shot, Multiple-Piece Shipment, Open Ship**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Description</th>
<th>Valid For</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Country of Manufacture</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>Field Level:</strong> Shipment REQUIRED.</td>
<td></td>
</tr>
<tr>
<td>80-#</td>
<td>Max=2</td>
<td>A</td>
<td>I</td>
<td>FDXE/FDXG</td>
<td>INTL</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>Country code where commodity contents were produced or manufactured in their final form. If using a commercial invoice, this field is used at the commodity level.</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>For multiple countries of manufacture, you may enter “XX” EXCEPT when shipping documents, multiple commodities, filling requests for customs documentation or using these FedEx services:</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FedEx International Priority DirectDistribution&lt;sup&gt;®&lt;/sup&gt;</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FedEx International Priority DirectDistribution Freight</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FedEx International Economy DirectDistribution&lt;sup&gt;®&lt;/sup&gt; Service</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FedEx&lt;sup&gt;®&lt;/sup&gt; Transborder Distribution</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>See Appendix C in the Transaction Coding Reference for country codes.</td>
<td></td>
</tr>
</tbody>
</table>

| **Commodity Quantity** | | | | **Field Level:** Shipment REQUIRED. | |
| 82-# | Max=7 | N | I | FDXE/FDXG | INTL |
| | | | | **Total number of pieces of a given commodity in the entire shipment. For example, if you are shipping 6 pencils and 4 erasers, you code 82,"6"82-2,"4".** | |
| | | | | *Required if field 113 (Commercial Invoice Print and Upload Flag) is set to Y, and you are not using field 78 (Commodity Customs Value) or field 119 (Total Commodity Customs Value). Default is 1.* | |
| | | | | **If FedEx is filing the commercial invoice (CI), the values sent for this field and field 1030 (Commodity Line Item Unit Value) determine the Total Customs Value for the shipment.** | |
| | | | | **Total Customs Value = Sum of Field 82 x Field 1030. This derived value can be overridden by passing a value in field 119. If field 113 is set to Y, field 2404 position 1 (Commercial Invoice) should also be set to Y to generate a commercial invoice (default).** | |

| **Declared Value/Rate Currency Type** | | | | **Field Level:** Shipment REQUIRED or Defaulted. | |
| 1090 | Max=3 | A | I | FDXE | All |
| | | | | **Currency used to rate the shipment.** | |
| | | | | **Default for U.S. domestic shipping: USD** | |
| | | | | **Default for CA Domestic shipping: CAD** | |
| | | | | **U.S. Export shipping requires USD or CAD to be entered.** | |
| | | | | **Canadian Export shipping requires CAD or USD to be entered.** | |
| | | | | **All other origins are non-rated.** | |
### Required Fields for FedEx Express International Shipments

**Transaction:** 020 Global Ship Request - Single Shot, Multiple-Piece Shipment, Open Ship

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Service</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Packaging Type</strong></td>
<td></td>
<td></td>
<td></td>
<td>FDXE</td>
<td>All</td>
<td></td>
</tr>
<tr>
<td>1273</td>
<td>Max=2</td>
<td>N</td>
<td>I</td>
<td>FDXE</td>
<td>All</td>
<td><strong>Field Level:</strong> Package REQUIRED. Available for Express (U.S. domestic and international): 01—Customer packaging 02—FedEx Pak 03—FedEx Box 04—FedEx Tube 06—FedEx Envelope</td>
</tr>
<tr>
<td><strong>Service Type</strong></td>
<td></td>
<td></td>
<td></td>
<td>FDXE</td>
<td>INTL</td>
<td></td>
</tr>
</tbody>
</table>
**Third Party Consignee**

Third Party Consignee (TPC) is a contract service that is offered to FedEx International Priority shippers who do not want their recipients to know the commercial value of the shipment.

This service enables deliveries of shipments to end recipients at destinations without a commercial invoice attached.

Third Party Consignee is only allowed for certain origin/destination countries. There is a surcharge associated with this service. Shippers who have contracted for this service may use field 3309 (TPC Flag) in a 020 Global Ship Request transaction.

Third Party Consignee service is available for:

- FedEx International Priority
- FedEx International Priority Freight

### Third Party Consignee Fields

Table 9-5 describes the Third Party Consignee fields.

**Table 9-5** Third Party Consignee Fields

<table>
<thead>
<tr>
<th>Fields for Third-Party Consignee for International Priority and Freight Shipments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Transaction:</strong> 020 Global Ship Request/Reply - Single Shot, Single Piece, Open Ship MPS</td>
</tr>
<tr>
<td><strong>Field ID</strong></td>
</tr>
<tr>
<td>---</td>
</tr>
<tr>
<td>TPC Flag</td>
</tr>
<tr>
<td>3309</td>
</tr>
<tr>
<td>Pay Type</td>
</tr>
<tr>
<td>23</td>
</tr>
</tbody>
</table>
Deleting a FedEx Express International Shipment

Use the 023 Global Delete Request transaction to delete a single piece or all pieces in a FedEx Express International multiple-package shipment.

Note: If you enter a tracking number associated with a multiple-piece shipment, FedEx Ship Manager Server deletes all pieces in this shipment.
FedEx Express International List Rates and Surcharges

FedEx shippers can download list rates for FedEx Express International shipping for all geographical regions available for the service. You can display or return these rates as rate quotes or as customized doc tabs and reports in the same way you display and return domestic list rates (see Chapter 5). Table 9-6 lists the available list rates and service regions.

Table 9-6 Available FedEx Express International List Rates

<table>
<thead>
<tr>
<th>Type of List Rate</th>
<th>Available for…</th>
</tr>
</thead>
<tbody>
<tr>
<td>Express International List Rates</td>
<td>All regions</td>
</tr>
<tr>
<td>Express Intra Canada List Rates</td>
<td>Canada-origin devices only</td>
</tr>
<tr>
<td>Express Transborder Distribution List Rates</td>
<td>Devices enabled for Transborder Distribution origins: Canada (TD CA) and Mexico (TD MX). TD is a contract service; please contact your Account Executive for more information about this service.</td>
</tr>
</tbody>
</table>

FedEx Express International List Rates Fields

Table 9-7 describes the fields which return FedEx Express International list rates and surcharges in the 120 Global Ship Reply transaction.

You may download list rates for intra-Canada FedEx Express® shipping for Canada-origin devices only.

Table 9-7 Fields for Returning Express International List Rates

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>List Third Party Consignee Surcharge</strong></td>
</tr>
<tr>
<td>4027</td>
<td>Min=1 Max=11.2</td>
<td>N</td>
<td>O</td>
<td>FDXE INTL</td>
<td>Positive numbers only. Two implied decimal places. (1-9999)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>See field 3309 for Third Party Consignee.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>List Rate Currency Type</strong></td>
</tr>
<tr>
<td>4028</td>
<td>Min=3 Max=3</td>
<td>N</td>
<td>O</td>
<td>FDXE INTL</td>
<td><strong>Field Level:</strong> Package</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>List rate currency type to be returned, for example, USD or CAD. Valid values are currency codes listed in Appendix C of the Transaction Coding Reference.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>List Off-Shore Surcharge</strong></td>
</tr>
<tr>
<td>4029</td>
<td>Min=1 Max=11.2</td>
<td>N</td>
<td>O</td>
<td>FDXE INTL</td>
<td>Surcharge applied if package is shipped from a non-U.S. country to Alaska or Hawaii; for example, from France to Hawaii. Valid values are positive numbers only (1-9999).</td>
</tr>
</tbody>
</table>
**Downloading Intra-Canada List Rates**

Shippers can use the FedEx Demand Download Utility to download list rates for their system. See Chapter 14: FedEx Ship Manager Server Utilities for information about this utility.

**To download Intra-Canada and Transborder Distribution List Rates**

1. Navigate to the FedEx Ship Manager Server folder on your desktop and double-click the Demand Download icon. The Demand Download dialog box displays.
2. Select the meter from the Meter/Account list for which you want to activate the download.
3. In Download Type, check the Express Domestic List Rates checkbox.
4. Click Start.
5. When the download completes, you must exit the Demand Download Utility to implement the downloaded list rates on your system.

**Surcharges for International Service Options**

The following surcharges and rating occur for FedEx Express International service options.

**Unit Weight Rating and Surcharge Rates**

You can designate intra-Canada FedEx Express shipments to be assessed by unit weight rating instead of a flat surcharge rate on the shipment. The following surcharges for intra-Canada shipments can use unit rating:

- Saturday Pickup
- Saturday Delivery
- Accessible Dangerous Goods
- Inaccessible Dangerous Goods

The international rates for unit rating of surcharges for the above service options are returned for all qualified intra-Canada FedEx Express shipments.

---

**Fields for FedEx Express International List Rates**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Service Valid For</td>
<td></td>
</tr>
<tr>
<td>List Europe First Surcharge</td>
<td></td>
<td></td>
<td></td>
<td>FDXE INTL</td>
<td>Positive numbers only. Two implied decimal places. (1-9999).</td>
</tr>
</tbody>
</table>

**Download Intra-Canada List Rates**

Shippers can use the FedEx Demand Download Utility to download list rates for their system. See Chapter 14: FedEx Ship Manager Server Utilities for information about this utility.

**To download Intra-Canada and Transborder Distribution List Rates**

1. Navigate to the FedEx Ship Manager Server folder on your desktop and double-click the Demand Download icon. The Demand Download dialog box displays.
2. Select the meter from the Meter/Account list for which you want to activate the download.
3. In Download Type, check the Express Domestic List Rates checkbox.
4. Click Start.
5. When the download completes, you must exit the Demand Download Utility to implement the downloaded list rates on your system.

**Surcharges for International Service Options**

The following surcharges and rating occur for FedEx Express International service options.

**Unit Weight Rating and Surcharge Rates**

You can designate intra-Canada FedEx Express shipments to be assessed by unit weight rating instead of a flat surcharge rate on the shipment. The following surcharges for intra-Canada shipments can use unit rating:

- Saturday Pickup
- Saturday Delivery
- Accessible Dangerous Goods
- Inaccessible Dangerous Goods

The international rates for unit rating of surcharges for the above service options are returned for all qualified intra-Canada FedEx Express shipments.
**Outside Delivery and Pickup Area Surcharge Rates**

You can download Outside Delivery Area (ODA) and Outside Pickup Area (OPA) surcharge rates using the Demand Download Utility. For information about this utility, see Chapter 14: FedEx Ship Manager Server Utilities.

**To download ODA/OPA surcharge rates using Demand Download Utility**

1. Open the Demand Download Utility screen.
2. Check the ODA/OPA box. This box allows you to demand download Outside Delivery Area (ODA) and Outside Pickup Area (OPA) surcharges for your Master meter.
3. Click **Start** to start the download.
4. After the download completes, you must exit the Demand Download Utility to make the surcharge rates available on your system.

**Returning Total Charges Without Added Canada Taxes**

For FedEx Express International shipments, a FedEx company can receive a rate quote given in CAD (Canada dollars) for all Canada-origin shipments regardless of the billed currency type on a customer’s account. This is a change from the current behavior for users who have their accounts billed in a non-CAD currency and cannot receive a rate quote in CAD.

This feature allows a shipper to set up the quick rate quote to display a quote that does not include Canadian taxes or to show the total rate (with taxes) in their quick rate quote. A pre-tax rate, a sub-total, and a net rate total can be given in the breakdown of charges shown in a detailed rate quote. For this feature, the sub-total rate, which gives the rate prior to taxes, is the default, but the shipper can set an option that allows taxes.

It also allows the Transborder Distribution shipper who bills in USD to receive a rate quote for non-TD services. The rate quote will not be available for clients if there is a Carriage Value and the currency is declared in a non-origin currency type. If the rate quote is not available, FedEx Ship Manager Server (FSMS) sends an error message that explains the circumstances.

**Fields for Returning Shipping Costs**

Table 9-8 lists the existing fields that FSMS shippers can continue to use to return shipping cost amounts:

<table>
<thead>
<tr>
<th>To Return …</th>
<th>Use Field</th>
<th>Field Name</th>
<th>Field Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Net charge including Canada taxes</td>
<td>37</td>
<td>Net Charge</td>
<td>Total charge returned in field 37 (Net Charge) includes all applicable Canadian taxes.</td>
</tr>
<tr>
<td>List of net charges including Canada taxes</td>
<td>1528</td>
<td>List Net Charge</td>
<td>Total charges returned in field 1528 (List Net Charge) includes any applicable Canadian taxes.</td>
</tr>
<tr>
<td>Total surcharge amount including Canada taxes</td>
<td>35</td>
<td>Total Surcharge Amount</td>
<td>Total charges returned in field 35 (Total Surcharge Amount) includes any applicable Canadian taxes.</td>
</tr>
<tr>
<td>List of total surcharges including Canada taxes</td>
<td>1507</td>
<td>List Total Surcharge Amount</td>
<td>Total charges returned in field 1507 (List Total Surcharge Amount) includes any applicable Canadian taxes.</td>
</tr>
</tbody>
</table>

Shippers can also use field 1234 (Rate/Route/Time-in-Transit Flag) in a **020/120 Global Ship Request/Reply** transaction to receive a rate quote.
Fields for Shipment Charges Prior to Canadian Taxes

The following six fields in Table 9-9 give FedEx shippers the option of calculating shipment charges before adding Canadian taxes.

Table 9-9 Fields for FedEx Express U.S. Shipment Charges

<table>
<thead>
<tr>
<th>Required Fields for FedEx Express U.S. Package and Freight Shipments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Transactions:</strong> 120 Global Ship Request/Reply — Single Piece, Single Shot, Open Ship, 125 Rate All Services Request/Reply, 170 Meter Query Request/Reply</td>
</tr>
<tr>
<td><strong>Field ID</strong></td>
</tr>
<tr>
<td>------------------</td>
</tr>
<tr>
<td><strong>Net Freight Charge Before Canada Taxes</strong></td>
</tr>
<tr>
<td>1533</td>
</tr>
<tr>
<td><strong>List Net Freight Charge Before Canada Taxes</strong></td>
</tr>
<tr>
<td>4890</td>
</tr>
<tr>
<td><strong>Total Surcharge Amount Before Canada Taxes</strong></td>
</tr>
<tr>
<td>4891</td>
</tr>
<tr>
<td><strong>List Total Surcharge Amount Before Canada Taxes</strong></td>
</tr>
<tr>
<td>4893</td>
</tr>
<tr>
<td><strong>Total Customer Handling Charge Before Canada Taxes</strong></td>
</tr>
<tr>
<td>4892</td>
</tr>
<tr>
<td><strong>List Total Customer Handling Charge Before Canada Taxes</strong></td>
</tr>
<tr>
<td>4893</td>
</tr>
</tbody>
</table>
**Transaction Scenarios for Requesting List Rates and Surcharges**

Table 9-10 provides three FedEx Ship Manager Server transaction scenarios for requesting FedEx list rates and surcharges.

**Table 9-10** List Rates and Surcharge Transaction Scenarios

<table>
<thead>
<tr>
<th>Transaction</th>
<th>Available Fields</th>
<th>Valid Values</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>020/120 Global Ship Request/Reply — Single Piece, Single Shot and Open Ship</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rate Quote Type</td>
<td>Indicates type of rates returned in the 120 Reply transaction. To return list rates for a shipment, enter:</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>list rates and discount rates</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>list rates and discount rates</td>
</tr>
<tr>
<td></td>
<td>Rate/Route/Time-in-Transit Flag</td>
<td>Position 3 (Rate) set to Y</td>
</tr>
<tr>
<td>OR</td>
<td>1234</td>
<td>1—Rate quote</td>
</tr>
<tr>
<td>OR</td>
<td>541</td>
<td>3—Rate quote and Route/Time-in-Transit</td>
</tr>
<tr>
<td><strong>025/125 Rate All Services Request/Reply</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rate Quote Type</td>
<td>Indicates type of rates returned in the 120 Reply transaction. To return list rates for a shipment, enter:</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>list rates and discount rates</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>list rates and discount rates</td>
</tr>
<tr>
<td><strong>035/135 Meter Registration Request/Reply</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Download Flags</td>
<td>To request a demand download of international list rates when registering a child meter, set the following position to Y:</td>
</tr>
<tr>
<td></td>
<td>18</td>
<td>18 — FedEx International List Rates</td>
</tr>
<tr>
<td></td>
<td>18</td>
<td>NNNNNNNNNNNNNNNNNY</td>
</tr>
<tr>
<td><strong>057/157 Demand Download Request/Reply</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Download Flags</td>
<td>To request a demand download of international list rates when registering a child meter, set the following position to Y:</td>
</tr>
<tr>
<td></td>
<td>18</td>
<td>18 — FedEx International List Rates</td>
</tr>
<tr>
<td></td>
<td>18</td>
<td>NNNNNNNNNNNNNNNNNY</td>
</tr>
</tbody>
</table>
CHAPTER 10: CODING TRANSACTIONS FOR FEDEX INTERNATIONAL GROUND SERVICES

This chapter describes the transaction rules for creating transactions for the FedEx International Ground services. FedEx International Ground service refers to these three FedEx Ground services:

- FedEx Ground International
- FedEx International Ground® Distribution
- FedEx International Ground Direct Distribution

This chapter includes these sections:

- About FedEx International Ground Transactions
- About FedEx International Ground Distribution and International Ground Direct Distribution
- International Ground Distribution Transaction Rules
- International Ground Direct Distribution Transaction Rules
- International Ground Importer Options
- Coding an International Ground Distribution Transaction
- NAFTA Certificate of Origin (COO)
- General Agency Agreement (GAA) Form
About FedEx International Ground Transactions

You can ship FedEx International Ground® from the U.S. to Canada (CA) and from CA to the U.S. You can also use FedEx Ground transactions for intra-Canada (intra-CA) shipping. FedEx International Ground service features and details are described in the FedEx Ship Manager Server Services and Shipping Guide which can help you decide which service best fits your shipping need.

To identify FedEx International Ground services, use the 020/120 Global Ship Request transaction with field 1274 (Service Type) set to "121" for FedEx International Ground Distribution.

Supported Shipping Methods

International Ground shipping supports single and multiple-package shipments (MPS)—Single Piece, Single Shot MPS and Open Ship MPS.

Transaction Fields for International Ground

The basic FedEx Ground international transaction uses the same fields required for express domestic shipping. Table 10-1 describes additional fields required for Ground international shipping.

<table>
<thead>
<tr>
<th>Table 10-1 Basic Fields for International Ground Shipments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Required Fields for FedEx International Ground Shipments</strong></td>
</tr>
<tr>
<td><strong>Transaction:</strong> 020 Global Ship Request - Single Shot, Multiple-Piece Shipment, Open Ship</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Payor Account Number</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Max=20</td>
<td>N</td>
<td>I</td>
<td>FDXG</td>
<td>INTL</td>
<td>Field Level: Shipment REQUIRED*. Nine-digit FedEx account number of company or person to be billed for the shipment. *Required for FedEx Ground when you want to bill your recipient or a third-party account number.</td>
<td></td>
</tr>
<tr>
<td>Pay Type</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Max=1</td>
<td>N</td>
<td>I</td>
<td>FDXG</td>
<td>INTL</td>
<td>Field Level: Shipment REQUIRED. Code for payment type. FedEx Ground payment types are: 1—Prepaid 2—Collect (not for C.O.D.) 3—Bill Third Party 5—Bill Recipient</td>
<td></td>
</tr>
<tr>
<td>Packaging Type</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1273</td>
<td>Max=2</td>
<td>N</td>
<td>I</td>
<td>FDXG</td>
<td>All</td>
<td>Field Level: Package REQUIRED. Available for FedEx Ground: 01—Customer packaging</td>
<td></td>
</tr>
</tbody>
</table>
Table 10-2 describes additional fields required for International Ground shipping:

### Table 10-2: Additional Fields for International Ground Shipments

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1274</td>
<td>Max=2</td>
<td>N</td>
<td>I</td>
<td>FDXG</td>
<td><strong>Field Level:</strong> Shipment <strong>REQUIRED</strong>.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Service type provided by the shipper.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Valid service type is:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FedEx International Services</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>121</strong>—International Ground Distribution (IGD)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Note: Field length of 3 for International Ground Distribution.</td>
</tr>
</tbody>
</table>

Table 10-2 describes additional fields required for International Ground shipping:

### Table 10-2: Additional Fields for International Ground Shipments

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>A</td>
<td>I</td>
<td>FDXG</td>
<td><strong>Field Level:</strong> Shipment <strong>REQUIRED</strong>.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Two-digit code indicating the country of the Recipient address.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*Required for FedEx SmartPost®.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*Required for ADD Piece Open Ship function.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>See Appendix C in the Transaction Coding Reference for the Country Code table.</td>
</tr>
</tbody>
</table>

### Weight Units

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>75</td>
<td>Max=3</td>
<td>A</td>
<td>I</td>
<td>FDXG</td>
<td><strong>Field Level:</strong> Shipment <strong>REQUIRED</strong> or Defaulted.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Indicates the unit of weight used for the shipment.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*Required if your shipment is calculated in kilograms (KGS).</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Valid values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>LBS—Weight in pounds (default for U.S. domestic and export)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>KGS—Weight in kilograms (default for intra-Canada and all international)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Note: For intra-U.S.(domestic) shipments, you may enter the weight in LBS or KGS.</td>
</tr>
</tbody>
</table>
### Additional Fields for FedEx International Ground Shipments

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>79</td>
<td>Max=450</td>
<td>A</td>
<td>I</td>
<td>FDXG</td>
<td>All</td>
</tr>
</tbody>
</table>

**Field Level:** Shipment

REQUIRED*. Description of commodity contents for the shipment. This can be used for free-form entry of document description when field 2396 is not used.

*Required for commodity shipments or for document shipments when field 190 is set to Y and field 2396 is not used.

*Required for General Agency Agreement (GAA) if import shipment.

*Note: Only 31 characters of this field print on the labels, but 450 characters are available for customer input to be used on their own reports, including the Commercial Invoice.

*Note: If both field 79 and 2396 are populated in the same transaction, field 2396 takes precedence. Field 79 takes precedence for IPD/IDF/IED shipments.

### Country of Manufacture

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>80-#</td>
<td>Max=2</td>
<td>A</td>
<td>I</td>
<td>FDXG</td>
<td>INTL</td>
</tr>
</tbody>
</table>

**Field Level:** Shipment

REQUIRED. Country code where commodity contents were produced or manufactured in their final form. If using a commercial invoice, this field is used at the commodity level.

For multiple countries of manufacture, you may enter "XX" EXCEPT when shipping documents, multiple commodities, filling requests for customs documentation or using these FedEx® services:

- FedEx International Priority DirectDistribution®
- FedEx International Priority DirectDistribution® Freight
- FedEx International Economy DirectDistributionSM Service
- FedEx® Transborder Distribution

See Appendix C in the Transaction Coding Reference for the Country Codes table.
Deleting a FedEx International Ground Shipment

Use the 023 Global Delete Request transaction to delete a single piece or all pieces in a FedEx International Ground multiple-package shipments.

Note: If you enter a tracking number associated with a multiple-piece shipment, FedEx Ship Manager Server deletes all pieces in this shipment.

About FedEx International Ground Distribution and International Ground DirectDistribution

International Ground Distribution and International Ground Direct Distribution are U.S. to Canada FedEx shipping services for consolidated shipments only. These services provide ground service to every business address and residential address in all 10 Canadian provinces plus Yukon, Northwest Territories and Nunavut.

Beginning with FedEx Ship Manager® Server (FSMS) Version 8.4.6, qualified U.S. shippers can consolidate FedEx Ground shipments to Canadian destinations using FedEx International Ground Distribution (IGD) or FedEx International Ground DirectDistribution (IGDD). Both services offer the advantage of clearing Canadian Customs as a single shipment, eliminating redundant paperwork and saving you money on your consolidated U.S. shipments to Canada.

International Ground Distribution is a drop-ship service for U.S. to Canada shipments for shippers with a U.S.-based FedEx account but with a facility within Canada. The U.S. shipper arranges delivery of the consolidated shipment to the FedEx Ground hub in Canada. FedEx Ground then delivers within Canada, by breaking down the consolidated shipment and delivering the individual shipments to their final destination.

International Ground DirectDistribution offers the U.S. shipper end-to-end shipping of consolidated shipments from the U.S. to Canada with FedEx Ground. You arrange for FedEx Ground to pick up the consolidated...
shipment in the U.S. and FedEx manages the shipping, including Customs clearance at the border, to recipients in Canada.

Table 10-3 provides a comparative overview of these two services. Both shipments move and clear Canadian customs as a single shipment.

### Table 10-3 Comparative Overview of International Ground Distribution and International Ground DirectDistribution

<table>
<thead>
<tr>
<th>Service</th>
<th>Pickup &amp; Delivery</th>
<th>FedEx Visibility</th>
<th>Consolidated Clearance</th>
<th>Broker</th>
</tr>
</thead>
<tbody>
<tr>
<td>International Ground DirectDistribution</td>
<td>FedEx Ground is courier.</td>
<td>End to end</td>
<td>Yes</td>
<td>FedEx Trade Network preferred</td>
</tr>
</tbody>
</table>

International Ground Distribution and International Ground DirectDistribution are contract services with FedEx. See your FedEx account executive to complete a contract agreement and arrange for a FedEx customer support representative to set up your meter(s).

Note: You will not be able to set up the child meter(s) for these services. International Ground Distribution service can be set up for a Canada-origin child meter as long as the master meter is a U.S.-origin meter and assigned to a U.S. FedEx Express® 9-digit account number.

### IGD/IGDD Settings Configuration

Once a contract for IGD and/or IGDD has been completed with your FedEx account executive, a FedEx customer support representative will be required to set up your meter or meters on FSMS. You will not be able to set up the child meter or meters for these services. However, once your child meter has been set up by FedEx and the new configuration has been downloaded to your FSMS server, you should be able to use the FSMS Configuration Utility to view the new configuration.

To view the meter configurations, access the FSMS Configuration Utility. Set your access privileges to User Level – View by clicking **Access Privileges** and typing **View** (with a capital V) into the **Access Privileges** dialog box.

### IGD Configuration

If you have an IGD meter configured, use the **Meter Number** drop-down list to select the child meter number assigned to your FSMS server. When the IGD meter number is selected, the **Shipper Settings** tab displays the address and other information about your Canadian drop-ship origin facility.

See the **FSMS Transaction Coding Reference** guide for information about configuring for IGD using the 070/170 Meter Query or Configuration Request/Reply transaction.
**IGD Transaction Coding**

Table 10-4 lists the fields required to ship an International Ground Distribution (IGD) shipment using the 020 Global Ship Request transaction:

**Table 10-4** IGD Transaction Fields for 020 Global Ship Request

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Service</td>
<td></td>
<td></td>
<td>Field Level: Shipment REQUIRED. Service type provided by the shipper. Valid service type is: 121—International Ground Distribution (IGD) Note: Field length of 3 for International Ground Distribution.</td>
</tr>
</tbody>
</table>

| Field Level: Package REQUIRED*. Use this field to indicate that you are a non-resident importer for a shipper. Only valid value is: Y—Non Resident Importer *Required for International Ground Distribution service. |

_IGD Fields for 020 Global Ship Request Transaction_

Transaction: 020 Global Ship Request - Single Shot, Multiple-Piece Shipment (MPS), Open Ship

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1274</td>
<td>Max=3</td>
<td>N</td>
<td>I</td>
<td>IGD</td>
<td>US to CA</td>
<td></td>
<td>Service Type</td>
</tr>
</tbody>
</table>

| Service Type provided by the shipper. Valid service type is: 121—International Ground Distribution (IGD) Note: Field length of 3 for International Ground Distribution. |

<table>
<thead>
<tr>
<th>Non-Resident Importer</th>
</tr>
</thead>
<tbody>
<tr>
<td>1986</td>
</tr>
</tbody>
</table>

*Required for International Ground Distribution service. |

Table 10-5 lists the IGD-specific fields that are returned in a 120 Global Ship Reply transaction.

**Table 10-5** IGD Transaction Fields Returned in 120 Global Ship Reply

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Service</td>
<td></td>
<td></td>
<td>Field Level: Shipment Returns the FedEx International service type provided by the shipper. Only valid service type code is: 121—International Ground Distribution (IGD) Note: Field length of 3 for International Ground Distribution.</td>
</tr>
</tbody>
</table>

Service Type
### IGD Fields Returned

**Transaction: 120 Global Ship Reply**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1355</td>
<td>Max=15</td>
<td>A/N</td>
<td>O</td>
<td>IGD</td>
<td>US to CA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1986</td>
<td>Max=1</td>
<td>A</td>
<td>I/O</td>
<td>IGD</td>
<td>US to CA</td>
</tr>
</tbody>
</table>
International Ground Distribution Transaction Rules

Before you begin using International Ground Distribution (IGD) service, FedEx recommends that you familiarize yourself with these transaction rules:

- Do not use your International Ground Distribution meters to ship with any other service. Meters set up for your International Ground Distribution service are dedicated child meters and should not be used for other services.
- Do not use the Single Piece shipping method for International Ground Distribution shipments. IGD shipments must be multiple-piece consolidated shipments.
- You may include a Future Day ship date (field 24 Ship Date) in an IGD transaction. Future Day shipping is supported.
- You can prepare multiple International Ground Distribution shipments at the same time and leave them open simultaneously.
- If you use the Open Ship method to prepare shipments, you can CREATE an International Ground Distribution shipment one day and CONFIRM it another day. You do not need to CONFIRM and close the shipment on the same day you CREATE it.
- Select from the following special service options for International Ground Distribution. The service options are the same as the FedEx Ground® Intra-Canada special service options:
  - FedEx Ground® C.O.D. (Canada)—(27,"Y"1274,"121")
  - Return Solutions (Canada)
  - FedEx® Delivery Signature Options—field 2399 (Signature Required Type)
- When providing ship date (field 24 Ship Date) or estimating time-in-transit, consider delivery times. International Ground Distribution times are 1 to 5 business days from the day of tender in Canada, Monday through Friday.
- Do not add packages that are over 150 Lbs, or 108" in length and 130" in combined length plus girth (L+2W+2H).
- If your recipient address is the Yukon, Northwest Territories, Nunavut or Labrador, do not enter a total package weight for the shipment above 70 Lbs.
- Do not type post office box numbers in the address fields. FedEx Ground cannot deliver to P.O. boxes.
- Do not include hazardous material fields in your shipping transaction. No hazardous materials are allowed.
- Make sure to follow the commodity restrictions in the FedEx Ground Tariff document.

Meter Configuration

Your International Ground Distribution master meter must originate in the U.S. FedEx can set up a Canada-origin child meter as long as the master meter is a U.S.-origin meter and assigned to a U.S. FedEx Express 9-digit account number. Only your FedEx customer support representative can configure an International Ground Distribution meter for a Canadian-origin.
International Ground DirectDistribution

Transaction Rules

Before you begin coding transactions for the FedEx International Ground DirectDistribution® (IGDD) service, please read these transaction rules:

• Do not use your International Ground DirectDistribution meters to ship with any other service. Meters set up for your International Ground Distribution service are dedicated child meters and cannot be used for other services.

• The meter number you enter in field 497 (Meter Number) must originate in the U.S.

• Do not use the Single Piece shipping method for International Ground Distribution shipments. IGDD shipments must be multiple-piece consolidated shipments.

• You may include a Future Day ship date (field 24 Ship Date) in an IGDD transaction. Future Day shipping is supported.

• You can prepare multiple International Ground Distribution shipments at the same time and leave them open simultaneously. You have 7 days to CONFIRM an Open Ship shipment after a Close (End-of-Day) transaction. After the 7th day, FedEx Ship Manager Server deletes the entire shipment if you do not CONFIRM the shipment.

• If you use the Open Ship method to prepare shipments, you can CREATE an International Ground Distribution shipment one day and CONFIRM it another day. You do not need to CONFIRM and close the shipment on the same day you CREATE it.

• Select from the following special service options for International Ground DirectDistribution. The service options are the same as the FedEx International Ground U.S. to Canada special service options:

International Ground Importer Options

Brokerage Options for U.S. and Canada Shipments

FedEx International Ground service gives U.S. and Canada shippers the ability to send single and multiple-piece shipments (MPS) across the border using a single point of contact that reduces costly delays and eases Customs clearance. This service provides Brokerage Inclusion through FedEx Ground using the FedEx Trade Network (FTN) as the broker. A Clearance Entry fee is charged for this service.

Non-Resident Importer (NRI)

FedEx Ship Manager Server supports the FedEx Non-Resident Importer (NRI) program for U.S. companies that ship to Canada and like the option of quoting an accurate delivered price to their Canadian customers.

The program creates a domestic purchasing environment that helps a company remain in compliance with the Canada Border Services Agency's regulations.

If you or your company are a non-resident importer (NRI), you must work directly with a Customs broker and act as the Importer of Record (IOR), allowing you to include duty, tax and brokerage fees in your selling price and simplifying the Canadian customs process and paperwork.

If you are enrolled in the FedEx Non-Resident Importer (NRI) program, you must include field 1986 (Non-Resident Importer) set to Y in your U.S. to Canada 020 Global Ship Request shipping transaction; for example, 1986, "Y". See table below for details.
**NRI-BI Broker Options**

When shipping or rating a FedEx International Ground shipment, two brokerage options are available for ground-enabled Non-Resident Importer Brokerage Inclusive shippers.

- **NRI-BI/BI**—(default) Brokerage Inclusion option only. Shipper uses the FedEx Trade Network to provide brokerage using their contract for FedEx Ground service.
- **NRI-BI/BSO**—shipper may specify his own broker. Shipper must provide Broker Information (Broker company name and phone number) for all FedEx International Broker Select shipments.

Note: If a FedEx customer has not indicated a brokerage option, the NRI-BI/BI option is assigned as the default.

Table 10-6 lists the broker options for Customs clearance for FedEx International Ground.

---

**Table 10-6 FedEx International Ground Broker Options**

<table>
<thead>
<tr>
<th>Broker Option for Customs Clearance</th>
<th>Description</th>
<th>Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI (Brokerage Inclusive)</td>
<td>Broker Inclusion is a Customs clearance system utilized for FedEx Ground. It includes U.S. to CA and CA to U.S. shipments. The FedEx Trade Networks is the only Customs broker authorized to clear FedEx Ground Brokerage Inclusive shipments.</td>
<td>Y Y</td>
</tr>
<tr>
<td>BSO (Broker Select Option)</td>
<td>Broker Select Option is a Customs clearance system that is administered by an external Customs broker either in CA or the U.S. and which can be used for clearance of FedEx Ground shipments as well as shipments by other carriers.</td>
<td>Y Y</td>
</tr>
<tr>
<td>NRI-BI/BI (Brokerage Inclusive Non-Resident Importer)</td>
<td>FedEx Ground shipper in the U.S. who is signed up as a Brokerage Inclusive Non-Resident Importer with FedEx Trade Networks. Their FedEx account identifies this status. An NRI-BI/BI shipper is responsible for the payment of all duties, taxes, clearance entry and ancillary fees on all of their FedEx Ground Brokerage Inclusive shipments to CA.</td>
<td>Y N</td>
</tr>
<tr>
<td>NRI-BI/BSO (Brokerage Inclusive Non-Resident Importer)</td>
<td>FedEx Ground shipper in the U.S. who is signed up as a Brokerage Inclusive Non-Resident Importer with FedEx Trade Networks. This is identified on their FedEx account.</td>
<td>Y N</td>
</tr>
</tbody>
</table>

---

**Rules for Electronic Commercial Invoice**

If the FedEx Ship Manager Server generates the Commercial Invoice for a Brokerage Inclusive shipment (not NRI-BI), the Importer of Record defaults to the payer of Duties and Taxes. Duties and Taxes is the fee that is assessed by the Customs agency based on specific commodity criteria. Your FedEx account representative must change the IOR default.

This feature has the following rules:

- The Importer of Record on the Electronic Commercial Invoice (ECI) must equal the ‘bill to party’ for Duty and Taxes for Brokerage Inclusive shipments (not NRI-BI).
- If they are different, FSMS returns the following error: “The bill to party for Duties and Taxes must be equal to IOR for BI shipments”. To resolve the error, the shipper must re-enter the shipment.
- If the Duty and Taxes ‘bill to party’ is a third party, FSMS populates the IOR field on the ECI with the words “bill third party <account number>”.
- If the BI shipper (not NRI-BI) and the Duty and Taxes ‘bill to party’ are the same, FSMS populates the IOR field on the ECI with “same as shipper”.
- If the Duties and Taxes ‘bill to party’ is the recipient of the shipment and the BI shipper is not NRI-BI, FSMS populates the IOR field on the ECI with ‘same as consignee’. 
Bill Collect with Broker Information Selected

For FedEx Ground shipments, when field 1174 (BSO Flag) is set to N and the FedEx shipper account is configured as Brokerage Information Non-Resident Importer – Broker Inclusive (NRI-BI), the valid methods of payment in field 23 (Pay Type) and in field 70 (Duty/Tax Payment Type) are:

1—Bill shipper (default)
2—Bill recipient
3—Bill third party

For all third party payments, the FedEx shipper must provide a valid nine-digit account number. This is a new requirement based on the expansion of the FedEx meter account number to nine digits in FedEx Ship Manager Server version 10.0.1.

Transaction Rules

If NRI-BI = N, all of the following shall apply if the BSO flag = N and the account is not set up as NRI-BI (BI):

- Bill Duties & Taxes Payment (field 70) is restricted to the following options:
  - 1—Bill Shipper (valid account number of shipper must be provided)
  - 2—Bill Recipient (valid account number of recipient must be provided)
  - 3—Bill Third Party (valid nine-digit account number must be provided)

- If the Duties and Taxes Payment field is not passed, FSMS defaults the field to 2 (Bill Recipient) and sends a soft error: "A payment type is required for Duties and Taxes".

- Bill transportation Pay Type (field 23) is restricted to the following:
  - 1—Bill Shipper (valid account number must be provided)
  - 2—Bill Recipient (valid account number must be provided)
  - 3—Third Party (valid nine-digit account number must be provided in shipment requests)

- If the Pay Type field is not passed in the transaction, FSMS defaults the Pay Type option to 1 (Bill Shipper) and does not return an error.

Dynamic Surcharge for Clearance Entry Fee

FedEx International Ground service provides Brokerage Inclusion through FedEx Ground using the FedEx Trade Networks (FTN) as the broker. A Clearance Entry fee is charged for this service.

You can use the dynamic surcharge feature to receive courtesy list rates for clearance entry fees for International Ground shipments. The two Dynamic Surcharge fields, field 1947 Dynamic Surcharge Code and field 1945 List Dynamic Surcharge Code, include a code for the clearance entry fee: 660—Clearance Entry Fee (CEF).

When you enable dynamic surcharging for clearance entry fees, FedEx supports new surcharges within FedEx Ship Manager Server without requiring that you upgrade to newer versions of FedEx Ship Manager Server. This ability is not supported with individual field surcharging. New surcharges show up as another occurrence of the dynamic surcharge multiple occurrence field with the clearance entry fee code.
# Coding an International Ground Distribution Transaction

Table 10-7 lists the fields for the International Ground Distribution (IGD) transactions used in a 020 Global Ship Request transaction.

## Table 10-7 International Ground Distribution Fields

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Service Type</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1274</td>
<td>Max=3</td>
<td>N</td>
<td>I</td>
<td>IGD</td>
<td>US to CA</td>
<td>Field Level: Shipment REQUIRED. Service type provided by the shipper. Valid service type is: FedEx International Services 121—International Ground Distribution (IGD). Note: Field length of 3 for International Ground Distribution.</td>
</tr>
<tr>
<td>Non-Resident Importer</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1986</td>
<td>Max=1</td>
<td>A</td>
<td>I</td>
<td>IGD</td>
<td>US to CA</td>
<td>Field Level: Package REQUIRED*. Specifies if the importer is a non-resident importer for the shipper. Valid values are: Y—Non Resident Importer. N—No (default) *Required for International Ground Distribution service.</td>
</tr>
</tbody>
</table>
Table 10-8 lists the IGD-specific fields that FedEx Ship Manager Server returns in a 120 Global Ship Reply transaction.

**Table 10-8 Fields Returned for International Ground Distribution Transactions**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input</th>
<th>Output</th>
<th>FedEx Shipping</th>
<th>Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>IGD</td>
<td>US to CA</td>
</tr>
<tr>
<td>Service Type</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Consolidated Index</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1355</td>
<td>Max=15</td>
<td>A/N</td>
<td>O</td>
<td>IGD</td>
<td>US to CA</td>
<td></td>
<td></td>
<td>Returns the system-assigned consolidated index. The Consolidated Index begins with FDXIGD for International Ground Distribution (IGD) systems with the remaining 9 characters as numeric values with 000000001 (FDXIGD000000001) and FDXIGDD for International Ground DirectDistribution (IGDD) systems with the remaining 8 characters as numeric values with 00000001 (FDXIGDD00000001). These two values are always used as the default values for IGD and IGDD. Only one default is allowed to be opened at a time.</td>
</tr>
<tr>
<td>Non-Resident Importer</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1986</td>
<td>Max=1</td>
<td>A</td>
<td>O</td>
<td>IGD</td>
<td>US to CA</td>
<td></td>
<td></td>
<td>Returned value Indicates if there is a non-resident importer for the shipper. Returned for International Ground Distribution service. Valid value is Y—Non Resident Importer.</td>
</tr>
</tbody>
</table>

**Signature Options for Canada Ground Shipments**

FedEx Ship Manager Server supports the signature delivery options for FedEx International Ground service from Canada to the United States (inbound only) for shipments with a declared value of less than $500 USD or CAD. The options are different for residential and non-residential delivery types as described in Table 10-9.

**Table 10-9 Canada Signature Options**

<table>
<thead>
<tr>
<th>Delivery Type</th>
<th>Signature Type</th>
<th>Surcharge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>Not specified (default)</td>
<td>No charge</td>
</tr>
<tr>
<td></td>
<td>Direct Signature Required</td>
<td>Charge per package for CA-origin accounts/meters</td>
</tr>
<tr>
<td>Non-Residential</td>
<td>Not specified (default)</td>
<td>No charge</td>
</tr>
<tr>
<td></td>
<td>Direct Signature Required</td>
<td>Charge per package for CA-origin accounts/meters</td>
</tr>
</tbody>
</table>

The current options are Indirect Signature Required and Direct Signature Required, both with a delivery charge. FedEx Transborder Ground Canada shipments are not impacted by this change.
The signature options impacts shippers who ship Single Piece, Single Shot, and Open Ship shipments from Canada to the U.S. and use the **020/120 Global Ship** and **025/125 Rate Available Services** transactions with the field values displayed in Table 10-10.

Table 10-10 Signature Option Fields for FedEx International Ground CA to U.S.

<table>
<thead>
<tr>
<th>Transaction</th>
<th>Available Fields</th>
<th>Valid Values</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>020/120 Global Ship Request/Reply</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shipping Transaction</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1274</td>
<td>Service Type</td>
<td>Set value 92—FedEx Ground.</td>
</tr>
<tr>
<td>440</td>
<td>Residential Delivery Flag</td>
<td>Set to Y.</td>
</tr>
</tbody>
</table>
| 2399 | Signature Required Type | 0—Not specified (default) 
Allowed 
No surcharge assessed 
120/125 Reply transactions return field 2399 set to 0. 
[1—Deliver without Signature] 
Error returned; no override. 
No surcharge assessed 
[2—Indirect Signature] 
Not allowed; overrides to the default (0—Not specified). 
No surcharge assessed. 
3—Direct Signature 
Allowed - Surcharge assessed 
120/125 Reply transactions return field 2399 set to 0. 
[4—Adult Signature] 
Not allowed; overrides to 3—Direct Signature. 
Surcharge assessed 
No value supplied or value is not 0, 1, 2, 3 or 4 
Not allowed; overrides to default (0—Not specified). |
| 1234 | Rate/Route/Time-in-Transit Flag | 1—Rate quote 
3—Rate quote and Route/Time-in-Transit |
| OR | | |
| 541 | Open Ship Flags | Position 3 (Rate) set to Y 
NNYNNNNNNN |
### Table 10-10 Signature Option Fields for FedEx International Ground CA to U.S. (Continued)

<table>
<thead>
<tr>
<th>Transaction</th>
<th>Available Fields</th>
<th>Valid Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>025/125 Rate All Services Request/Reply</td>
<td>Service Type</td>
<td>Set value <strong>92</strong>—FedEx Ground.</td>
</tr>
<tr>
<td></td>
<td>Residential Delivery Flag</td>
<td>Set to <strong>Y</strong>.</td>
</tr>
</tbody>
</table>
| 1274        | Signature Required Type   | 0—Not specified (**default**)
|             |                           | Allowed
|             |                           | No surcharge assessed
|             |                           | 120/125 Reply transactions return field 2399 set to 0.                     |
| 2399        |                           | [1—Deliver without Signature]                                               |
|             |                           | Error returned; no override.                                                |
|             |                           | No surcharge assessed                                                       |
|             |                           | [2—Indirect Signature]                                                     |
|             |                           | Not allowed; overrides to the default (0—Not specified).                    |
|             |                           | No surcharge assessed                                                       |
|             |                           | 3—Direct Signature                                                         |
|             |                           | Allowed - Surcharge assessed                                                |
|             |                           | 120/125 Reply transactions return field 2399 set to 0.                     |
|             |                           | [4—Adult Signature]                                                        |
|             |                           | Not allowed; overrides to 3—Direct Signature.                                |
|             |                           | Surcharge assessed                                                          |
|             |                           | No value supplied or value is not **0, 1, 2, 3 or 4**
|             |                           | Not allowed; overrides to default (0—Not specified).                       |
| 1234        | Rate/Route/Time-in-Transit Flag | **1**—Rate quote
|             |                           | **3**—Rate quote and Route/Time-in-Transit                                 |

Note: Brackets ([ ]) indicate that the field value is not valid for International Ground shipments from CA to U.S. for packages less than $500 CAD/USD.
Applying Duty/Tax Payment to FedEx Ground International Shipments

When you ship FedEx Ground International shipments between U.S. and Canada, you must specify the fields displayed in Table 10-11 in a 020 Global Ship Request transaction.

Table 10-11 Duty and Tax Payment Fields for FedEx Ground International

<table>
<thead>
<tr>
<th>Transaction</th>
<th>Available Fields</th>
<th>Valid Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>020/120 Global Ship Request/Reply</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>70</td>
<td>Duty/Tax Payment Type</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Field Level: Shipment</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Optional.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Indicates payment type for duties and taxes.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Valid values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1—Bill sender</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2—Bill recipient (default)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3—Bill third party</td>
</tr>
<tr>
<td></td>
<td>71</td>
<td>Duty/Tax Payor Account Number</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Field Level: Shipment</td>
</tr>
<tr>
<td></td>
<td></td>
<td>REQUIRED*.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>FedEx account to which duties and taxes will be billed.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>*Required if field 70 is set to 3—Bill 3rd Party.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Recommended if field 70 is set to 2—Bill Recipient (default).</td>
</tr>
</tbody>
</table>

Note: When field 1174 (BSO Flag) is set to N, field 70 (Duty/Tax Payment Type) and field 71 (Duty/Tax Payor Account Number) are passed and stored in the 2D barcode of the Shipping and C.O.D. Return labels along with field 4901 (Customs Shipment Type).
### NAFTA Certificate of Origin (COO)

This section describes the FSMS transaction fields that support the completion of the NAFTA Certificate of Origin for U.S.-CA cross-border customs clearance.

### NAFTA Certificate of Origin (COO) Fields

Table 10-12 describes the fields you enter in a **020 Global Ship Request** transaction to complete a NAFTA Certificate of Origin for U.S. to CA or CA to U.S. shipments.

#### Table 10-12 NAFTA Certificate of Origin (COO) Fields

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Length</th>
<th>Data Type</th>
<th>Input Output</th>
<th>FedEx Shipping Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
</table>
*Required for each commodity if 5th position of field 2404 (Shipment Documentation Flag) is Y. Valid values are: A, B, C, D, D1, D2, E, F (blank is default) |

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Length</th>
<th>Data Type</th>
<th>Input Output</th>
<th>FedEx Shipping Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
</table>
| **2152** | Min=1 Max=2 | A/N | I | FDXE | FDXG | INTL | REQUIRED*. Preference Criterion information per commodity. 
*Required for each commodity if 5th position of field 2404 (Shipment Documentation Flag) is Y. Valid values are: A, B, C, D, D1, D2, E, F (blank is default) |

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Length</th>
<th>Data Type</th>
<th>Input Output</th>
<th>FedEx Shipping Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
</table>
| **NAFTA Certificate of Origin - Commodity Producer** | | | | | | REQUIRED*. Producer information per commodity. 
*Required for each commodity if 5th position of field 2404 (Shipment Documentation Flag) is Y. Valid values are: 1 —Yes 2 —No (1) 3 —No (2) 4 —No (3) (blank = default) |

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Length</th>
<th>Data Type</th>
<th>Input Output</th>
<th>FedEx Shipping Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
</table>
| **2153** | Max=1 | N | I | FDXE | FDXG | INTL | REQUIRED*. Producer information per commodity. 
*Required for each commodity if 5th position of field 2404 (Shipment Documentation Flag) is Y. Valid values are: 1 —Yes 2 —No (1) 3 —No (2) 4 —No (3) (blank = default) |

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Length</th>
<th>Data Type</th>
<th>Input Output</th>
<th>FedEx Shipping Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
</table>
*Required for each commodity if 5th position of field 2404 (Shipment Documentation Flag) is Y. Also can be a returned value in 120 Reply. Valid values are: 1 — No 2 —NC 3 —NC plus date range (blank = default) |

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Length</th>
<th>Data Type</th>
<th>Input Output</th>
<th>FedEx Shipping Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
</table>
| **2154** | Max=1 | A | I | FDXE | FDXG | INTL | REQUIRED*. Net Cost information per commodity. 
*Required for each commodity if 5th position of field 2404 (Shipment Documentation Flag) is Y. Also can be a returned value in 120 Reply. Valid values are: 1 — No 2 —NC 3 —NC plus date range (blank = default) |

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Length</th>
<th>Data Type</th>
<th>Input Output</th>
<th>FedEx Shipping Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
</table>
| **NAFTA Certificate of Origin - Net Cost Begin Date** | | | | | | REQUIRED*. Net Cost begin date. 
*Required if field 2154 (NAFTA Certificate of Origin - Net Cost) is 3. Use this date format: MMDDCCYY |
### Table 10-12 NAFTA Certificate of Origin (COO) Fields (Continued)

**Fields for the NAFTA Certificate of Origin (COO)**

**Transaction: 020 Global Ship Request**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input</th>
<th>Output</th>
<th>FedEx Shipping Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2156</td>
<td>Max=8</td>
<td>N</td>
<td>I</td>
<td></td>
<td>FDXE, FDXG, INTL</td>
<td>REQUIRED*</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Net Cost end date.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*Required if field 2154 (NAFTA Certificate of Origin - Net Cost) is 3. Use this date format: MMDDCCYY</td>
</tr>
</tbody>
</table>

**NAFTA Certificate of Origin - Country of Origin**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input</th>
<th>Output</th>
<th>FedEx Shipping Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2157</td>
<td>Max=2</td>
<td>A</td>
<td>I</td>
<td></td>
<td>FDXE, FDXG, INTL</td>
<td>REQUIRED*</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*Required for each commodity if 5th position of field 2404 (Shipment Documentation Flag) is Y. Valid values are: CA, US, and MX (blank = default)</td>
</tr>
</tbody>
</table>

**NAFTA Certificate of Origin - Producer**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input</th>
<th>Output</th>
<th>FedEx Shipping Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2158</td>
<td>Max=1</td>
<td>N</td>
<td>I</td>
<td></td>
<td>FDXE, FDXG, INTL</td>
<td>REQUIRED*</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Indicates status and information about the producer for the Certificate of Origin. *Required for each commodity if 5th position of field 2404 (Shipment Documentation Flag) is Y. Valid values are: 1—Same 2—Unknown 3—Available to customs on request 4—Attached producers list 5—Other</td>
</tr>
</tbody>
</table>

**NAFTA Certificate of Origin - Producer Company Name**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input</th>
<th>Output</th>
<th>FedEx Shipping Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2159</td>
<td>Max=35</td>
<td>AKE</td>
<td>I</td>
<td></td>
<td>FDXE, FDXG, INTL</td>
<td>Optional. Company name of the producer to enter on the Certificate of Origin.</td>
</tr>
</tbody>
</table>

**NAFTA Certificate of Origin - Producer Contact Name**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input</th>
<th>Output</th>
<th>FedEx Shipping Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2160</td>
<td>Max=35</td>
<td>AKE</td>
<td>I</td>
<td></td>
<td>FDXE, FDXG, INTL</td>
<td>Optional. Contact name for the producer to enter on the Certificate of Origin.</td>
</tr>
</tbody>
</table>

**NAFTA Certificate of Origin - Producer Address line 1**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input</th>
<th>Output</th>
<th>FedEx Shipping Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2161</td>
<td>Max=35</td>
<td>AKE</td>
<td>I</td>
<td></td>
<td>FDXE, FDXG, INTL</td>
<td>Optional. First address line of the producer to enter on the Certificate of Origin.</td>
</tr>
</tbody>
</table>

**NAFTA Certificate of Origin - Producer Address line 2**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input</th>
<th>Output</th>
<th>FedEx Shipping Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2162</td>
<td>Max=35</td>
<td>AKE</td>
<td>I</td>
<td></td>
<td>FDXE, FDXG, INTL</td>
<td>Optional. Second address line of the producer to enter on the Certificate of Origin.</td>
</tr>
</tbody>
</table>

**NAFTA Certificate of Origin - Producer City**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input</th>
<th>Output</th>
<th>FedEx Shipping Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2163</td>
<td>Max=35</td>
<td>AKE</td>
<td>I</td>
<td></td>
<td>FDXE, FDXG, INTL</td>
<td>Optional. Name of the city of the producer to enter on the Certificate of Origin.</td>
</tr>
</tbody>
</table>
Table 10-12 NAFTA Certificate of Origin (COO) Fields (Continued)

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2164</td>
<td>Max=2</td>
<td>A</td>
<td>I</td>
<td>FDXE, FDXG</td>
<td>Optional. State code of the producer to enter on the Certificate of Origin.</td>
</tr>
<tr>
<td>2165</td>
<td>Max=15</td>
<td>A/N</td>
<td>I</td>
<td>FDXE, FDXG</td>
<td>Optional. Postal code of the producer to enter on the Certificate of Origin.</td>
</tr>
<tr>
<td>2166</td>
<td>Max=2</td>
<td>A</td>
<td>I</td>
<td>FDXE, FDXG</td>
<td>Optional. Country code of the producer to enter on the Certificate of Origin.</td>
</tr>
<tr>
<td>2167</td>
<td>Max=15</td>
<td>A/N</td>
<td>I</td>
<td>FDXE, FDXG</td>
<td>Optional. Producer tax ID/EIN to enter on the Certificate of Origin.</td>
</tr>
<tr>
<td>2168</td>
<td>Max=35</td>
<td>AKE</td>
<td>I</td>
<td>FDXE, FDXG</td>
<td>Optional. Specify company name you want entered on the Certificate of Origin.</td>
</tr>
<tr>
<td>2169</td>
<td>Max=35</td>
<td>AKE</td>
<td>I</td>
<td>FDXE, FDXG</td>
<td>Optional. Name you want entered on the Certificate of Origin.</td>
</tr>
<tr>
<td>2170</td>
<td>Max=35</td>
<td>AKE</td>
<td>I</td>
<td>FDXE, FDXG</td>
<td>Optional. Title of the person whose name is given in field 2169 (NAFTA Certificate of Origin - Name) for the Certificate of Origin.</td>
</tr>
<tr>
<td>2171</td>
<td>Max=15</td>
<td>AKE</td>
<td>I</td>
<td>FDXE, FDXG</td>
<td>Optional. Telephone number to enter on Certificate of Origin.</td>
</tr>
<tr>
<td>2172</td>
<td>Max=15</td>
<td>AKE</td>
<td>I</td>
<td>FDXE, FDXG</td>
<td>Optional. Fax number to print on the Certificate of Origin.</td>
</tr>
</tbody>
</table>

**NAFTA Certificate of Origin (COO) Preference Criterion**

Canada shippers set the NAFTA COO Preference Criterion for each commodity shipped using field 2152 (NAFTA Certificate of Origin - Preference Criterion) in the 020 Global Ship Request transaction. The valid values “D1” and “D2” are preference sub-criteria which pertain to progressive tariff reduction on goods. If selected, D1 or D2 would then print on the Certificate of Origin.

Note: When the Preference Criterion “D” is split into “D1” and “D2”, “D1” becomes the default and ‘D’ is not used. FedEx Ship Manager Server notifies customers when the Preference Criteria default value changes from ‘D’ to the sub-criterion value ‘D1’ with the following message:

“The default value of NAFTA COO Preference Criteria has been changed from 'D' to 'D1', please ensure this is the proper value for your shipments.”
Printing the NAFTA Certificate of Origin

To create a NAFTA Certificate of Origin for International Ground shipments from U.S. to Canada and Canada to U.S., you must first code a 020 Global Ship Request transaction with the appropriate NAFTA COO data for the document.

When you are ready to print the document, use field 1373 (Report Code) in a 095/195 Reprint Request/Reply transaction. Table 10-13 describes the Report Code field 1373.

Table 10-13 NAFTA Certificate of Origin

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>FedEx Shipping Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1373</td>
<td>Max=3</td>
<td>N</td>
<td>I/O</td>
<td>FDXG</td>
<td>INTL</td>
<td>Optional. Specify the NAFTA report to print. Valid report value is: 058 – NAFTA COO</td>
</tr>
</tbody>
</table>

The NAFTA COO document prints at ship time on a single sheet of paper. The document can be printed in the following file formats:

- Word document (.doc)
- Rich Text File (.rtf)
- Text only (.txt)
- Portable Document Format (.pdf)

Generating a NAFTA Certificate of Origin

You can generate a NAFTA Certificate of Origin (COO) for International Ground shipments from U.S. to Canada and Canada to U.S. You must first configure your report settings before you can generate a NAFTA Certificate of Origin. See Chapter 13: Generating FedEx Shipping Forms and Reports for more information.

Use field 1373 (Report Code) set to 058—NAFTA COO to indicate that you want to print the NAFTA COO report.

To generate a NAFTA Certificate of Origin

1. Create a 020 Global Ship Request transaction.
2. Pass the NAFTA COO fields with the data you want on the certificate form.
3. FedEx Ship Manager Server pre-populates the certificate form with the passed data.
4. Create a 095 Reprint Request transaction.
5. Pass field 1373 set to 058 to indicate that you want to print the NAFTA COO form.
6. FedEx Ship Manager Server generates the pre-populated form that you can now print.
### NAFTA Certificate of Origin (COO) Sample

Figure 10-1 shows a sample NAFTA Certificate of Origin.

**Figure 10-1** Sample NAFTA Certificate of Origin

<table>
<thead>
<tr>
<th>1. EXPORTER NAME AND ADDRESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAFE 2349 03 TESTING</td>
</tr>
<tr>
<td>ARUN RAMANI</td>
</tr>
<tr>
<td>10 FEDEX PARKWAY</td>
</tr>
<tr>
<td>MEMPHIS, TN 38118 US</td>
</tr>
<tr>
<td>TAX IDENTIFICATION NUMBER</td>
</tr>
<tr>
<td>Same</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2. BLANKET PERIOD (DD/MM/YY)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FROM</td>
</tr>
<tr>
<td>TO</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3. PRODUCER NAME AND ADDRESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Company</td>
</tr>
<tr>
<td>Name</td>
</tr>
<tr>
<td>Address</td>
</tr>
<tr>
<td>TORONTO, ON M1C 1A1 CA</td>
</tr>
<tr>
<td>TAX IDENTIFICATION NUMBER</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4. IMPORTER NAME AND ADDRESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
</tr>
<tr>
<td>A1</td>
</tr>
<tr>
<td>A2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>5. TAX IDENTIFICATION NUMBER</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>6. DESCRIPTION OF GOODS</th>
</tr>
</thead>
<tbody>
<tr>
<td>HS TARIFF CLASSIFICATION</td>
</tr>
<tr>
<td>NUMBER</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>7. PREFERENCE CRITERION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>8. PRODUCER</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>9. NET COST</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>10. COUNTRY OF ORIGIN</th>
</tr>
</thead>
</table>

I CERTIFY THAT:
- THE INFORMATION ON THIS DOCUMENT IS TRUE AND ACCURATE AND I ASSUME THE RESPONSIBILITY FOR PROVING SUCH REPRESENTATIONS.
- I UNDERSTAND THAT I AM LIABLE FOR ANY FALSE STATEMENT OR MATERIAL OMISSIONS MADE ON OR IN CONNECTION WITH THIS DOCUMENT.
- I AGREE TO MAINTAIN AND PRESENT UPON REQUEST, DOCUMENTATION NECESSARY TO SUPPORT THIS CERTIFICATE AND TO INFORM, INVITING, ALL PERSONS TO WHOM THE CERTIFICATE WAS GIVEN OF ANY CHANGES THAT COULD AFFECT THE ACCURACY OR VALIDITY OF THIS CERTIFICATE.
- THE GOODS ORIGINATED IN THE TERRITORY OF ONE OR MORE OF THE PARTIES, AND COMPLY WITH THE ORIGIN REQUIREMENTS SPECIFIED FOR THOSE GOODS IN THE NORTH AMERICAN FREE TRADE AGREEMENT, AND UNLESS SPECIFICALLY EXEMPTED IN ARTICLE 411 OR ANNEX 401, THERE HAS BEEN NO FURTHER PRODUCTION OR ANY OTHER OPERATION OUTSIDE THE TERRITORIES OF THE PARTIES.

- THE CERTIFICATE CONSISTS OF 1 PAGES, INCLUDING ALL ATTACHMENTS.

11a. AUTHORIZED SIGNATURE

ARUN RAMANI
05/27/2007

11b. COMPANY TESTING

(901) 263-9432

11c. DATE (DD/MM/YY)

11d. TITLE

(901) 263-9432

11e. TELEPHONE NUMBER

(Facsimile)
Reprinting NAFTA Certificate of Origin

To reprint the NAFTA Certificate of Origin

2. Select the meter number.
3. In the left pane, select Shipment Reports.
4. Double-click NAFTA Certificate of Origin to view the report.
5. Select File > Print.
6. Specify a printer device and print the report.

Note: As an alternative choice, you can create a 095 Reprint Request transaction to print the report.

Enabling Printing of NAFTA Certificate of Origin

To enable printing of the NAFTA Certificate of Origin (COO)

1. Open the FSMS Configuration Utility.
2. Click the Report Settings tab.
3. Click Ground in the left pane.
4. Select NAFTA COO.
5. Click Apply or Apply&Exit.

Adding NAFTA Statement for U.S. Goods Valued Under $1600 CAD

The NAFTA statement is printed in the lower left corner of the FedEx Ground Commercial Invoice. A shipper may add the following NAFTA statement on the form for Northbound (U.S. origin) shipments if the goods are valued at or under $1600 CAD.

“I certify that the goods referenced in this invoice/sales contract originate under the rules of origin specified for these goods in the North American Free Trade Agreement (NAFTA) and that further production or any other operation outside the territories of the Parties has not occurred subsequent to production in the territories.”

Figure 10-2 displays the form that prints below this statement. In this form, the shipper must identify themselves as the Producer or Exporter of the goods.

Figure 10-2 NAFTA Statement for U.S. Goods Valued Under $1600 CAD

NAME:

TITLE:

COMPANY:

STATUS: EXPORTER:_____ PRODUCER:_____ OF THE CERTIFIED GOODS (check one)

TELEPHONE: _______________________________ FAX: _________________________________

COUNTRY OF ORIGIN:

UNITED STATES:___ MEXICO:___ MEXICO AND UNITED STATES:___ (check one)

(For purposes of determining the applicable preferential rate of duty as set out in Annex 302.2, in accordance with the marking rules or in each Party's schedule of tariff elimination.)

SIGNATURE: _______________________________ DATE _______________________________
Adding NAFTA Statement for CA Goods Valued Under $2500 USD

A shipper may add the following NAFTA statement on the FedEx Ground Commercial Invoice for Southbound shipments (CA origin) if the goods are valued under $2500 USD. A NAFTA certificate is not required per regulation 19 CFR 181.22 (d) (iii).

"I hereby certify that the goods covered by this shipment qualifies as an originating good for purposes of preferential tariff treatment under NAFTA."

Figure 10-3 displays the form that prints below this statement. In this form, the shipper must identify themselves as the Producer or Exporter of the goods.

*Figure 10-3 NAFTA Statement for Canadian Goods Valued Under $2500 USD*

<table>
<thead>
<tr>
<th>NAME:</th>
</tr>
</thead>
<tbody>
<tr>
<td>TITLE:</td>
</tr>
<tr>
<td>COMPANY:</td>
</tr>
<tr>
<td>STATUS: EXPORTER:_______  PRODUCER:_______ OF THE CERTIFIED GOODS (check one)</td>
</tr>
<tr>
<td>TELEPHONE: ___________________  FAX: ___________________</td>
</tr>
<tr>
<td>SIGNATURE: ___________________  DATE_________________</td>
</tr>
</tbody>
</table>
General Agency Agreement (GAA) Form

FedEx U.S. shippers are required to fill out a Canada Customs General Agency Agreement (GAA) form when shipping across the U.S.-Canada border. This section describes the transaction fields that support the shipper in filling in the data and generating the GAA form.

Generating a General Agency Agreement (GAA) Form

You can generate a General Agency Agreement (GAA) form for International Ground shipments from U.S. to Canada and Canada to U.S.

Use field 1373 (Report Code) set to 059—GAA Form to indicate that you want to generate the General Agency Agreement (GAA) form.

To generate a General Agency Agreement (GAA) form

1. Create a 020 Global Ship Request transaction.
2. Pass the GAA fields with the data you want on the GAA form. FedEx Ship Manager Server pre-populates the GAA form with the passed data.
3. Create a 095 Reprint Request transaction.
4. Pass field 1373 set to 059 to indicate you want to generate the GAA form. FedEx Ship Manager Server generates the pre-populated GAA form that you can now print.

Reprinting a General Agency Agreement (GAA) Form

The General Agency Agreement (GAA) form prints three copies and instructions.

To reprint the GAA form

1. Open the Report Viewer Utility.
2. In the left pane, select Shipment Reports.
4. Double-click Ground GAA.
5. Select File > Print.
6. Specify a printer device and print the report.

Note: As an alternative choice, you can create a 095 Reprint Request transaction to print the report.
General Agency Agreement (GAA) Form Sample

Figure 10-4 shows a sample FedEx General Agency Agreement (GAA) form.

*Figure 10-4 Example of General Agency Agreement Form*

---

**ONE-TIME GENERAL AGENCY AGREEMENT**

**AGENT’S AUTHORITY FOR ENTRY OF A SINGLE IMPORTATION**

I hereby authorize FedEx Trade Networks Transport & Brokerage (Canada) Inc. (FedEx Trade Networks) to provide Custom Brokerage services for the following shipment regardless of port of entry into Canada.

<table>
<thead>
<tr>
<th>Legal Name of Importer: (Company or Individual)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Business Address:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Nature of Goods:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Phone:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fax:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>E-Mail Address:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Tracking Number:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

The attached invoices represent to the best of my knowledge true and complete values and description of said goods.

All transactions are governed by the FedEx Trade Networks Standard Trading Conditions, which are available upon request.

<table>
<thead>
<tr>
<th>Signature of Official Representative of Importer:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date of Signature:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

---

**FedEx Internal Use Only**

<table>
<thead>
<tr>
<th>GST Number:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Business Number:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cargo Control Number:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>
CHAPTER 11: CODING TRANSACTIONS FOR TRANSBORDER DISTRIBUTION

FedEx® Transborder Distribution (TD) enables you to streamline large shipments from Canada and Mexico for distribution in the U.S. You can consolidate your shipments for simplified Customs clearance by either FedEx Trade Networks or a broker of your choice. After your shipment enters the U.S., you will receive access to the full range of FedEx services in the U.S., including FedEx Express®, FedEx Ground® and FedEx Home Delivery®. FedEx Ship Manager® Server (FSMS) allows you to code shipping transactions to support the Transborder Distribution service and provides all of the reporting you need for shipping and Customs clearance of Transborder Distribution packages.

This chapter provides information about using the Transborder Distribution service and includes the following sections:

• Creating Transborder Distribution Shipment Transactions
  FedEx Ship Manager Server is a transaction-based shipping solution that you can use to build your own Transborder Distribution shipping transactions using the 020/120 Global Ship Request/Reply transaction set. This section includes the following descriptions:
  – Start-up information, including service details and configuration information
  – Table of Transborder Distribution transaction fields

• Transborder Distribution Labels
  This section provides an overview of the FedEx Ship Manager Server TD shipping label and includes a description of TD fields.

• Transborder Distribution Reports
  FedEx Ship Manager Server provides the option of producing, saving, and printing a variety of reports to assist in the management of your Transborder Distribution shipping activity. This section describes:
  – Producing Transborder Distribution reports
  – Transborder Distribution report field definitions

This chapter includes these sections:

• About FedEx Transborder Distribution Transactions
• Transaction Rules for FedEx Transborder Distribution
• Transaction Fields for FedEx Transborder Distribution
• Shipping Service Options for Transborder Distribution
• FedEx Transborder Distribution List Rates
• Creating a Transborder Distribution Shipment
• Adding a Piece to a FedEx Transborder Distribution Shipment
• Requesting Transborder Distribution Rate/Route/Time-in-Transit
• FedEx Transborder Distribution Labels
• FedEx Transborder Distribution Reports
• Transborder Distribution Error Messages
About FedEx Transborder Distribution Transactions

FedEx Ship Manager Server (FSMS) supports shipping transactions for the Transborder Distribution service using the 020/120 Global Ship Request/Reply transaction set. It also provides the ability to track your shipment, print labels and create reports you need for invoicing, shipping and Customs clearance at the border.

FedEx Transborder Distribution shipping transactions use the Open Ship function to process U.S.-Canada and U.S.-Mexico shipments. The Open Ship shipping functions are described in detail in Chapter 4: FedEx Ship Manager Server Open Ship Transactions. Also see "Adding a Piece to a FedEx Transborder Distribution Shipment" and "Confirming a Transborder Distribution Shipment" in this chapter.

See the FedEx Ship Manager Server Services and Shipping Guide for information about FedEx Transborder Distribution service features and details.

Available Shipping Methods

FedEx Transborder Distribution uses the Open Ship functions provided by fields 541 (Open Ship Flags) and 542 (Open Ship Index) in the 020 Global Ship Request transaction.

To prepare Transborder Distribution Open Ship shipments, set the flag in field 541 to the Open Ship function you want to perform. You must perform the functions in a workflow sequence that creates the shipment, adds packages, makes changes, and finally, confirms that the shipment is ready to ship. At the end of your shipping day, perform an End-of-Day Close transaction to close your meters for the day using the 007 End-of-Day Close Request transaction. Table 11-1 displays code examples for Open Ship fields 541 and 542. Be sure to read about Open Ship in Chapter 4 before you begin to develop FedEx Transborder Distribution transactions.

Table 11-1 Transborder Distribution Open Ship Shipping Workflow

<table>
<thead>
<tr>
<th>Open Ship Workflow</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>CREATE the Transborder Distribution shipment</td>
<td>541,&quot;YNNNNNNNY&quot;542,&quot;00123RCPCA&quot;</td>
</tr>
<tr>
<td>ADD packages to shipment</td>
<td>541,&quot;NNYNNNNNNY&quot;542,&quot;00123RCPCA&quot;</td>
</tr>
<tr>
<td>CONFIRM the shipment (no further changes)</td>
<td>541,&quot;NNNNNNNNY&quot;542,&quot;00123RCPCA&quot;</td>
</tr>
</tbody>
</table>

The following section provides a brief description of the FedEx Ship Manager Server Transborder Distribution shipment transaction rules. In addition to the 020/120 Global Ship Request/Reply transaction set, it describes basic shipping service details required to code Transborder Distribution to your shipping specifications.
Transaction Rules for FedEx Transborder Distribution

The following rules apply to FedEx Transborder Distribution transactions. These rules include restrictions for package size and weight.

- The Recipient address for a Transborder Distribution transaction must be a U.S. address. A valid zip code that corresponds to the city and state entered for the shipment is required.

- Enter package size and weight data that does not exceed the current U.S. domestic FedEx Express, FedEx Ground, and FedEx Home Delivery size and weight restrictions. For more information about package weight restrictions, refer to the FSMS Service and Shipping Guide.

- For FedEx Express, you must include the Packaging Type in the Transborder Distribution transaction. You can use FedEx Express packaging for Express shipments or your own custom packaging. For FedEx Ground and FedEx Home Delivery Transborder Distribution shipments, you must use your own packaging.

- You can only select a single weight type—pounds (LBS) or kilograms (KGS)—and a single dimension type: inches (IN) if using LBS as the weight type, or centimeters (CM) if using KGS as the weight type. After you create an open Transborder Distribution shipment, the weight type you select for the first piece in the shipment is the prevailing type for the rest of the pieces in the shipment.

- Note: If you ship packages using FedEx Ground or FedEx Home Delivery, you must code measurements in pounds (LBS) and inches (IN).

- You can select a single currency for the customs value of the entire transaction. After the Transborder Distribution shipment is opened, the currency you selected for the first piece in the shipment remains constant for the other pieces in the shipment.

- Declared value limits are based on the FedEx service you select for the shipment.

- You can enter a maximum of 999 commodities (FedEx Express and FedEx Ground, as appropriate) per shipment.

- You can enter a maximum of 999 pieces (associated with one shipment) for a Transborder Distribution shipment.
Transaction Fields for FedEx Transborder Distribution

FedEx Transborder Distribution shipping transactions use the 020 Global Ship Request transaction with the Open Ship function to process U.S.-Canada and U.S.-Mexico shipments.

Table 11-2 describes the required fields for a FedEx Transborder Distribution transaction. You may add additional optional fields as needed. Use the FedEx Ship Manager Server Transaction Coding Reference guide to look up field properties for optional fields you include.

Note: If you do not plan to use FedEx Trade Networks as the Customs broker, see Table 11-3 on page 13.

Table 11-2 Required Fields for FedEx Transborder Distribution Shipping

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>FedEx Shipping Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Recipient Address Fields</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11 to 18</td>
<td>Varies</td>
<td>Varies</td>
<td>I</td>
<td>FDXE FDXG</td>
<td>INTL TD</td>
<td>Field Level: Shipment Optional. Recipient address fields on the shipment level are not required. Recipient address fields are only required for the piece.</td>
</tr>
<tr>
<td><strong>Package Weight/Shipment Weight</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1670#</td>
<td>Max=8.2</td>
<td>N</td>
<td>I</td>
<td>FDXE FDXG</td>
<td>INTL TD</td>
<td>Field Level: Shipment for international and intra-Canada shipments <strong>REQUIRED</strong>. Weight of package or shipment. *Required for FedEx Transborder Distribution. *Required to receive rate quotes. This weight field supports two implied decimals for ALL shipments and does not require any distinction between FedEx Express, FedEx Ground or FedEx International shipping. For all FedEx International and intra-Canada Shipping: You may enter the total shipment weight rather than the individual package weights. If you enter the total shipment weight, you must also use field 116 (Package Total) to indicate the total number of packages in the shipment.</td>
</tr>
<tr>
<td><strong>Weight Units</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>75</td>
<td>Max=3</td>
<td>A</td>
<td>I</td>
<td>FDXE FDXG</td>
<td>INTL TD</td>
<td>Field Level: Shipment <strong>REQUIRED</strong> or Defaulted. Indicates the unit of weight used for the shipment. *Required if your shipment is calculated in kilograms (KGS). Valid values are: LBS—Weight in pounds (default for U.S. domestic and export) KGS—Weight in kilograms (default for intra-Canada and all international) Note: For intra-U.S.(domestic) shipments, you may enter the weight in LBS or KGS.</td>
</tr>
</tbody>
</table>
### Required Fields for FedEx Transborder Distribution Shipments

**Transaction: 020 Global Ship Request - Open Ship**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>FedEX Shipping Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ship Date</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Max=8</td>
<td>N</td>
<td>I</td>
<td>FDXE</td>
<td>INTL</td>
<td>TD</td>
</tr>
<tr>
<td><strong>Terms of Sale</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>72</td>
<td>Max=1</td>
<td>N</td>
<td>I</td>
<td>FDXE</td>
<td>INTL</td>
<td>TD</td>
</tr>
<tr>
<td><strong>Description of Contents</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>79</td>
<td>Max=450</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>INTL</td>
<td>TD</td>
</tr>
</tbody>
</table>
Table 11-2 Required Fields for FedEx Transborder Distribution Shipping (Continued)

<table>
<thead>
<tr>
<th>Required Fields for FedEx Transborder Distribution Shipments</th>
</tr>
</thead>
</table>

**Transaction: 020 Global Ship Request - Open Ship**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
</table>
| 80       | Max=2        | A         | I            | FDXE FDXG               | INTL TD   | **Field Level:** Shipment \ REQUIRED.  
Country code where commodity contents were produced or manufactured in their final form. If using a commercial invoice, this field is used at the commodity level.  
For multiple countries of manufacture, you may enter "XX" EXCEPT when shipping documents, multiple commodities, filling requests for customs documentation or using these FedEx services:  
FedEx International Priority DirectDistribution®  
FedEx International Priority DirectDistribution® Freight  
FedEx International Economy DirectDistributionSM Service  
FedEx Transborder Distribution  
For this shipment, use MPS.  
See Appendix C in the Transaction Coding Reference for Country Codes. |

<table>
<thead>
<tr>
<th>Commercial Invoice Print and Upload Flag</th>
</tr>
</thead>
</table>
| 113                                     | Max=1        | A         | I            | FDXE FDXG               | INTL TD   | **Field Level:** Shipment \ REQUIRED*.  
Set the flag to Y to create an individual commercial invoice for each piece of the shipment.  
*Required for the electronic upload of commercial invoice (CI) data (pre-clearance), VISA data upload, and/or printing of the FedEx commercial invoice (CI).  
Valid values are:  
Y—Uploads an ECI and/or prints a FedEx CI  
N—Does not upload to FedEx or print a FedEx CI  
Field 2404 Shipment Documentation Flag position 1 (Commercial Invoice) should also be set to Y to generate a CI (default). If field 113 is set to Y, it overrides the value in field 2404 position 1.  
If field 113 is set to Y and field 2404 position 2 (Proforma Invoice) is set to Y, field 113 becomes primary and FedEx Ship Manager Server ignores the Proforma Invoice value.  
Note: An Electronic Commercial Invoice (ECI) will only upload if accepted by the Recipient country. See the FedEx Service Guide for details. |
### Required Fields for FedEx Transborder Distribution Shipments

**Transaction:** 020 Global Ship Request - Open Ship

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>FedEx Shipping Valid For</th>
<th>Description</th>
</tr>
</thead>
</table>
| 498      | Max=9        | N I       |              | FDXE                    | FDXG INTL TD             | **Meter Number**: Unique number assigned to a FedEx shipping account (used in each transaction to identify the revenue/shipping activity of a shipment). Defaults to the master meter number.  
*Required if the meter number is different than the meter number configured as the default.  
Note: If a one-to-one relationship exists between meter numbers and account numbers (in other words, there is no more than one meter number per account number), then the meter number or the account number alone may be used in the transaction.  
Note: In FedEx Ship Manager Server version 10.01, meter numbers are expanded to nine-digits in length. Your assigned meter number may be any length up to nine-digits. |
| 541      | Max=9        | A I       |              | FDXE                    | FDXG INTL TD             | **Open Ship Flags**: Identifies transaction functions using nine one-byte flags which are set to Y to indicate shipment level or package level flag.  
Specify Y in the position(s) of the Open Ship functions used for a given transaction. Specify N in all other positions. All flags must be used and must be either Y or N. If you enter all Ns, all Open Ship functions are disabled.  
Default: **YNNNNSNN** (CREATE and CONFIRM the Open Ship shipment.)  
Each one-byte flag is defined in sequence in the following array:  
1—CREATE an Open Shipment  
2—ROUTE/Time in Transit  
3—RATE  
4—ADD a piece/package  
5—EDIT a piece/package  
6—EDIT/ADD data to the entire shipment  
7—DELETE a package  
8—DELETE the shipment  
9—CONFIRM the shipment  
*Required for Open Ship.  
Options 5 and 6 are not valid for TD. |
### Table 11-2 Required Fields for FedEx Transborder Distribution Shipping (Continued)

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open Ship Index</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>542</td>
<td>Max=9</td>
<td>N</td>
<td>I</td>
<td>FDXE FDXG INTL TD</td>
<td>REQUIRED*: Set to the unique number passed in the CREATE transaction. The value is a unique number per Open Ship shipment per meter and represents the Open Ship Index. *Required for Open Ship. Note: Field 542 is not required if you are simultaneously performing a CREATE or ADD transaction. Examples of simultaneous transactions are: YYNNNNNNN which performs a shipment level CREATE and Route/Time in Transit transaction or NYNYNNNNN which performs a package level ADD and shipment level Route/Time in Transit together in the same transaction.</td>
</tr>
<tr>
<td>Service Type</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1274</td>
<td>Min=2 Max=3</td>
<td>N</td>
<td>I</td>
<td>FDXE FDXG INTL TD</td>
<td>Field Level: Shipment REQUIRED. Specify the Service type for FedEx Transborder Distribution. Must include with field 541 (Open Ship Flags) in the Open Ship CREATE transaction. Valid service type is: 82—Transborder Distribution Service for CA/MX.</td>
</tr>
<tr>
<td>Standard Carrier Alphanumeric Code (SCAC)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Linehaul Flag</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1484</td>
<td>Max=1</td>
<td>A</td>
<td>I</td>
<td>FDXE FDXG INTL TD</td>
<td>REQUIRED. Specify Y if you are using FedEx Transborder Distribution linehaul. Specify N if you are using your own linehaul. If you specify Y, fields 1498 (FedEx Linehaul Payment Type) and 1500 (FedEx Linehaul Account Number) are required. Note: This field setting must be approved by FedEx Sales and Customer Technology. This field may not be changed without contacting FedEx.</td>
</tr>
<tr>
<td>FedEx Linehaul Payment Type</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1498</td>
<td>Max=1</td>
<td>N</td>
<td>I</td>
<td>FDXE FDXG INTL TD</td>
<td>REQUIRED*. Identify who to bill for linehaul costs. *Required if field 1484 is set to Y. Valid values are: 1—Bill Shipper 3—Bill Third Party</td>
</tr>
</tbody>
</table>
### Required Fields for FedEx Transborder Distribution Shipments

**Transaction: 020 Global Ship Request - Open Ship**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>FedEx Shipping Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1500</td>
<td>Max=9</td>
<td>N</td>
<td>I</td>
<td>FDXE</td>
<td>INTL TD</td>
<td><strong>REQUIRED</strong>. Specify your FedEx linehaul account number. *Required if field 1484 is set to Y. Valid entry is an active 9-digit FedEx linehaul account number.</td>
</tr>
<tr>
<td>1485</td>
<td>Max=35</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>INTL TD</td>
<td><strong>Field Level</strong>: Shipment <strong>REQUIRED</strong>. Name of contact on return address. *Required if 1586 (Print Alternate Return Address Flag) is set to Y and field 1486 (Return Address Company Name) is not used. For this shipment, use any method.</td>
</tr>
<tr>
<td>1486</td>
<td>Max=35</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>INTL TD</td>
<td><strong>Field Level</strong>: Shipment <strong>REQUIRED</strong>. Company name on return address. *Required if 1586 (Print Alternate Return Address Flag) is set to Y and field 1485 (Return Address Contact Name) is not used. For this shipment, use any method.</td>
</tr>
<tr>
<td>1487</td>
<td>Max=35</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>INTL TD</td>
<td><strong>Field Level</strong>: Shipment <strong>REQUIRED</strong>. First line of return address. *Required if 1586 (Print Alternate Return Address Flag) is set to Y. For this shipment, use any method.</td>
</tr>
<tr>
<td>1488</td>
<td>Max=35</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>INTL TD</td>
<td><strong>Field Level</strong>: Shipment <strong>REQUIRED</strong>. Second line of the return address. *Required if 1586 (Print Alternate Return Address Flag) is set to Y. For this shipment, use any method.</td>
</tr>
<tr>
<td>1489</td>
<td>Max=35</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>INTL TD</td>
<td><strong>Field Level</strong>: Shipment <strong>REQUIRED</strong>. City name on return address. *Required if 1586 (Print Alternate Return Address Flag) is set to Y. For this shipment, use any method.</td>
</tr>
</tbody>
</table>
### Table 11-2 Required Fields for FedEx Transborder Distribution Shipping (Continued)

#### Required Fields for FedEx Transborder Distribution Shipments

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>FedEx Shipping Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1490</td>
<td>Max=2</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>INTL TD</td>
<td>Field Level: Shipment REQUIRED*. State or province on return address. *Required if 1586 (Print Alternate Return Address Flag) is set to Y and the return address country is U.S. For this shipment, use any method.</td>
</tr>
<tr>
<td>1491</td>
<td>Max=14</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>INTL TD</td>
<td>Field Level: Shipment REQUIRED*. Postal code on return address. *Required if 1586 (Print Alternate Return Address Flag) is set to Y. For this shipment, use any method.</td>
</tr>
<tr>
<td>1492</td>
<td>Max=14</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>INTL TD</td>
<td>Field Level: Shipment REQUIRED*. Phone number for return address. *Required if 1586 (Print Alternate Return Address Flag) is set to Y. For this shipment, use any method.</td>
</tr>
<tr>
<td>170</td>
<td>Max=35</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>INTL TD</td>
<td>Optional. Contact name on the Importer of Record. Prints on the standard commercial invoice and the FedEx International Priority Distribution consolidated commercial invoice.</td>
</tr>
<tr>
<td>172</td>
<td>Max=35</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>INTL TD</td>
<td>Optional. First line of the address on the Importer of Record. Prints on the standard commercial invoice and the FedEx International Priority Distribution consolidated commercial invoice.</td>
</tr>
<tr>
<td>173</td>
<td>Max=35</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>INTL TD</td>
<td>Optional. Second line of the address on the Importer of Record. Prints on the standard commercial invoice and the FedEx International Priority Distribution consolidated commercial invoice.</td>
</tr>
</tbody>
</table>
### Table 11-2 Required Fields for FedEx Transborder Distribution Shipping (Continued)

**Required Fields for FedEx Transborder Distribution Shipments**

**Transaction: 020 Global Ship Request - Open Ship**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
</table>
| 174      | Max=35       | A         | I            | FDXE FDXG      | Optional.  
City for the address on the Importer of Record.  
Prints on the standard commercial invoice and the FedEx International Priority Distribution consolidated commercial invoice. |
| 175      | Max=2        | A         | I            | FDXE FDXG      | Optional.  
Code for the state or province of the address on the Importer of Record.  
Prints on the standard commercial invoice and the FedEx International Priority Distribution consolidated commercial invoice.  
See Appendix C in the Transaction Coding Reference for a list of state and province codes. |
| 176      | Max=14       | A         | I            | FDXE FDXG      | REQUIRED*.  
Postal code of the address on Importer of Record.  
*Required if destination is Canada.  
Prints on the standard commercial invoice and the FedEx International Priority Distribution consolidated commercial invoice. |
| 178      | Max=14       | N         | I            | FDXE FDXG      | REQUIRED*.  
Phone number on the Importer of Record.  
Prints on the standard commercial invoice and the FedEx International Priority Distribution consolidated commercial invoice. |
| 180      | Max=15       | A         | I            | FDXE FDXG      | Optional.  
Employer Identification Number (EIN), Value Added Tax Number (VAT), or Social Security Number (SSN) on the Importer of Record.  
Prints on the standard commercial invoice and the FedEx International Priority Distribution consolidated commercial invoice. |
| 1503     | Min=6, Max=9 | N         | I            | FDXE FDXG      | REQUIRED*.  
Account number of the FedEx Trade Networks broker.  
*Required if field 1502 (FedEx Trade Networks Broker Option) is Y and field 1546 (FedEx Trade Networks Broker D/T/F Payment Type) is 1; for example, 1502,”Y”1546,”1”  
Field 1503 is optional if field 1502 is Y and field 1546 is 3. |
<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Max=1</td>
<td>A</td>
<td>I</td>
<td>FDXE FDXG</td>
<td>INTL TD</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>REQUIRED*. Indicates if you are using FedEx Trade Networks as your Customs clearance broker for FedEx Transborder Distribution shipments. *Required if you want to use the FedEx Trade Networks service. Valid values are: Y—FedEx Trade Networks is broker N—Other customs broker (default).</td>
</tr>
<tr>
<td>1546</td>
<td>Max=1</td>
<td>N</td>
<td>I</td>
<td>FDXE FDXG</td>
<td>INTL TD</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>REQUIRED*. Indicates who pays the FedEx Trade Networks Broker fees. *Required if field 1502 () is Y. Valid values are: 1—Bill to shipper (default) 3—Bill to third-party payer</td>
</tr>
</tbody>
</table>
Non-FTN Customs Broker

If you plan to use your own Customs clearance broker, you must include the required fields in Table 11-3 in a 020 Global Ship Request Transborder Distribution transaction.

**Table 11-3** Fields for non-FTN Customs Broker

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
</table>

### Broker Name

| 66 | Max=30 | A | I | FDXE FDXG FDXT | INTL TD | REQUIRED*. Name of Broker who will clear the shipment through Customs. Prints on the Commercial Invoice. Use only if Broker is not "FedEx". If you do not provide a Broker name, FedEx is the default. *Required for FedEx International Broker Select® service. |

### Broker Phone Number

| 67 | Max=15 | N | I | FDXE FDXG FDXT | INTL TD | REQUIRED*. Phone number of the Broker who will be used to clear the shipment (if other than FedEx). The phone number prints on the Commercial Invoice. *Required for FedEx International Broker Select service. |

### BSO Flag

| 1174 | Max=1 | A | I | FDXE FDXG | INTL TD | REQUIRED*. Indicates whether to use a designated Broker (FedEx International Broker Select option (BSO)) (1174,"Y") or to use FedEx (1174,"N") to clear the shipment through Customs. *Required for FedEx International Broker Select service. Valid values are: Y—Use Broker Select option (BSO) N—Do not use BSO |

### Broker Account Number

| 1179 | Max=10 | N | I | FDXE FDXG | INTL TD | Optional. Account number of the Broker who will clear the shipment (if other than FedEx). |

### Broker Company

| 1180 | Max=35 | A | I | FDXE FDXG | INTL TD | Optional. Company name of the Broker who will clear the shipment (if other than FedEx). Prints on commercial invoice. |

### Broker Address Line 1

| 1181 | Max=30 | A | I | FDXE FDXG | INTL TD | Optional. First line of the address of the Broker who will clear the shipment (if other than FedEx). Prints on commercial invoice. |
## Required Fields for non-FTN Customs Broker

### Transaction: 020 Global Ship Request - Open Ship

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1182</td>
<td>Max=30</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>Optional. Second line of the address of the Broker who will clear the shipment (if other than FedEx). Prints on commercial invoice.</td>
</tr>
<tr>
<td>1183</td>
<td>Max=20</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>REQUIRED*. City of the Broker who will clear the shipment (if other than FedEx). Prints on commercial invoice. *Required for FedEx International Broker Select.</td>
</tr>
<tr>
<td>1184</td>
<td>Max=14</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>REQUIRED*. State or province code of the Broker who will clear the shipment (if other than FedEx). Prints on commercial invoice. *Required for FedEx International Broker Select to U.S., Canada (CA) or Puerto Rico (PR).</td>
</tr>
<tr>
<td>1185</td>
<td>Max=10</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>REQUIRED*. Postal code of the Broker who will clear the shipment (if other than FedEx). Prints on commercial invoice. *Required for FedEx International Broker Select to U.S., Canada (CA) or Puerto Rico (PR).</td>
</tr>
<tr>
<td>1186</td>
<td>Max=2</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>REQUIRED*. Country code of the Broker who will clear the shipment (if other than FedEx). Prints on commercial invoice. *Required for FedEx International Broker Select service. See Appendix C in the Transaction Coding Reference for a list of country codes.</td>
</tr>
<tr>
<td>1187</td>
<td>Max=15</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>Optional. ID of the Broker who will clear the shipment (if other than FedEx). Prints on commercial invoice.</td>
</tr>
<tr>
<td>1343</td>
<td>Max=120</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>REQUIRED*. E-mail address of the Broker who will clear the shipment (if other than FedEx). *Required if e-mail notification is sent to broker.</td>
</tr>
</tbody>
</table>
Shipping Service Options for Transborder Distribution

The following FedEx services are allowed for FedEx Transborder Distribution:

*Table 11-4* FedEx Express and FedEx Ground Services Allowed by Package Type

<table>
<thead>
<tr>
<th>Service</th>
<th>Customer Packaging</th>
<th>FedEx Envelope</th>
<th>FedEx Pak</th>
<th>FedEx Box</th>
<th>FedEx Tube</th>
</tr>
</thead>
<tbody>
<tr>
<td>FedEx Priority Overnight</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>FedEx Standard Overnight</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>FedEx 2Day®</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>FedEx First Overnight®</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>FedEx 1Day® Freight</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FedEx 2Day® Freight</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FedEx 3Day® Freight</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FedEx Express Saver®</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FedEx Ground</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FedEx Home Delivery</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>
### Table 11-5 FedEx Express Special Services Allowed by Service Type

<table>
<thead>
<tr>
<th>Service</th>
<th>C.O.D.</th>
<th>IDG</th>
<th>ADG</th>
<th>Dry Ice</th>
<th>Signature Required Type</th>
<th>Inside Delivery</th>
<th>Alcohol</th>
</tr>
</thead>
<tbody>
<tr>
<td>FedEx Priority Overnight</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FedEx Standard Overnight</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FedEx 2Day</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FedEx First Overnight</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FedEx 1Day Freight</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FedEx 2Day Freight</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FedEx 3Day Freight</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FedEx Express Saver</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

### Table 11-6 FedEx Express Special Services Allowed by Service Type (continued)

<table>
<thead>
<tr>
<th>Service</th>
<th>Saturday Delivery</th>
<th>Sunday Delivery</th>
<th>Priority Alert</th>
<th>Hold at Location</th>
<th>Inside Pickup</th>
<th>Saturday Pickup</th>
</tr>
</thead>
<tbody>
<tr>
<td>FedEx Priority Overnight</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FedEx Standard Overnight</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FedEx 2Day</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FedEx First Overnight</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FedEx 1Day Freight</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FedEx 2Day Freight</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FedEx 3Day Freight</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FedEx Express Saver</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

### Table 11-7 FedEx Ground Special Services Allowed by Service Type

<table>
<thead>
<tr>
<th>Service</th>
<th>C.O.D.</th>
<th>ECOD</th>
<th>Non-Standard Packaging</th>
<th>Haz Mat</th>
<th>Signature Required Type</th>
<th>Appt Delivery</th>
<th>Evening Delivery</th>
<th>Date Certain Delivery</th>
</tr>
</thead>
<tbody>
<tr>
<td>FedEx Ground</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FedEx Home Delivery</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>
FedEx Transborder Distribution List Rates

FedEx shippers can download list rates for FedEx Transborder Distribution shipping for devices enabled for Transborder Distribution origins: Canada (TD CA) and Mexico (TD MX). You can display or return these rates as rate quotes or as customized doc tabs and reports in the same way you display and return domestic list rates today.

Transborder Distribution is a contract service; please contact your Account Executive for more information about this service.

Table 11-8 describes the fields which return FedEx Transborder Distribution list rates and surcharges in the 120 Global Ship Reply transaction.

### Table 11-8 Fields for Returning FedEx Transborder Distribution List Rates

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>Fedex Shipping Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>List Third Party Consignee Surcharge</td>
<td>4027</td>
<td>Min=1 Max=1.2</td>
<td>N</td>
<td>O</td>
<td>FDXE FDXG</td>
</tr>
<tr>
<td>List Rate Currency Type</td>
<td>4028</td>
<td>Min=3 Max=3</td>
<td>N</td>
<td>O</td>
<td>FDXE FDXG</td>
</tr>
<tr>
<td>List Off-Shore Surcharge</td>
<td>4029</td>
<td>Min=1 Max=11.2</td>
<td>N</td>
<td>O</td>
<td>FDXE FDXG</td>
</tr>
<tr>
<td>List Europe First Surcharge</td>
<td>4030</td>
<td>Min=1 Max=11.2</td>
<td>N</td>
<td>O</td>
<td>FDXE FDXG</td>
</tr>
</tbody>
</table>
**Downloading FedEx Transborder Distribution List Rates**

Shippers can use the FedEx Demand Download Utility to download Transborder Distribution list rates for their system. For more information about this utility, see Chapter 14: FedEx Ship Manager Server Utilities.

**To download Transborder Distribution List Rates**

1. Navigate the FedEx Ship Manager Server folder on your desktop and double-click the Demand Download icon. The Demand Download dialog box appears.
2. Select the meter.
3. In Download Type, check the Express Domestic List Rates checkbox.
4. Click Start.
5. After the download completes, you must exit the Demand Download Utility to make the rates available on your system.

**Downloading FedEx Ground Discounted Rates for Transborder Distribution Shipments**

Canada-origin shippers can download and receive FedEx Ground discounted rates for FedEx Transborder Distribution shipments using the FedEx Demand Download Utility.

If discounted FedEx Ground rates are available, the rates will download to your FSMS system along with other discounted non-Transborder Distribution ground rates when you request rate downloads.

**To download discounted rates**

1. Navigate to the FedEx Ship Manager Server folder on your desktop and double-click the FSMS Demand Download icon. The FedEx Demand Download dialog opens.
2. Select the meter.
3. In Download Type, check the Ground Discount Rates checkbox.
   - Note: Master meter level means that the discount rates are not meter specific (when there are multiple child meters) and apply to all packages in a shipment.
4. Click Start. FSMS displays the FedEx Download Status window.
5. Click Exit. You must exit the Demand Download Utility to make the discount rates available on your system.
Creating a Transborder Distribution Shipment

Transborder Distribution shipments are processed using the Open Ship shipping method. Open Ship is a highly flexible shipping option unique to FedEx Ship Manager Server. Open Ship allows you to enter information for a Transborder Distribution shipment as it is received throughout the day, rather than entering all shipping information only when the shipment is ready to be processed. The shipment remains “open,” accepting each piece as it is entered and closing only when you confirm the shipment.

For information about the Open Ship shipping process, see Chapter 4: FedEx Ship Manager Server Open Ship Transactions.

Table 11-9 describes the required fields for creating a Transborder Distribution shipment using the Open Ship Flag and Open Ship Index fields.

Table 11-9 Fields to CREATE a FedEx Transborder Distribution Shipment

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>FedEx Shipping Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open Ship Flags</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>541</td>
<td>Max=9</td>
<td>A</td>
<td>I</td>
<td>FDXE FDXG</td>
<td>US INTL TD</td>
<td>Field Level: Shipment REQUIRED*. Nine one-byte flags which are set to Y to indicate Open Ship function. Flag must be either Y or N; you cannot enter all Ns. To CREATE a shipment, set the 1st position of the flag to Y. For example, YNNNNNNNN requests to create an Open Ship shipment to which packages will be added. *Required for Open Ship.</td>
</tr>
<tr>
<td>Open Ship Index</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>542</td>
<td>Max=9</td>
<td>N</td>
<td>I</td>
<td>FDXE FDXG</td>
<td>US INTL TD</td>
<td>REQUIRED*. Set to the unique number passed in the CREATE transaction. The value is a unique number per Open Ship shipment per meter and represents the Open Ship Index. *Required for Open Ship. Note: Field 542 is not required if you are simultaneously performing a CREATE or ADD transaction. Examples of simultaneous transactions are: YYNYNYNYN which performs a shipment level CREATE and Route/Time in Transit transaction or YNYYNNYN which performs a package level ADD and shipment level Route/Time in Transit together in the same transaction.</td>
</tr>
<tr>
<td>Service Type</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1274</td>
<td>Max=2</td>
<td>N</td>
<td>I</td>
<td>FDXE FDXG</td>
<td>US INTL TD</td>
<td>Field Level: Shipment REQUIRED. Specify the Service type for FedEx Transborder Distribution. *Must include with field 541 (Open Ship Flags) in the Open Ship CREATE transaction Valid service type is: 82—Transborder Distribution Service for CA/MX.</td>
</tr>
</tbody>
</table>
Adding a Piece to a FedEx Transborder Distribution Shipment

After you create a FedEx Transborder Distribution shipment, you can add packages.

While packages require many of the same fields that are used for regular shipments, field 541 (Open Ship Flag) and field 542 (Open Ship Index) are required to associate the package with a Transborder Distribution shipment.

To create or rate an MPS shipment, set field 116 to the number of pieces in the shipment and field 1670 to the weight of each piece using the multiple occurrences (1670-1, 1670-2, 1670-3, and so forth).

Table 11-10 lists the transaction fields that may be required to add a Transborder Distribution package (depending on your shipping requirements).

Table 11-10 Fields for Adding a Package to FedEx Transborder Distribution Shipment

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>Recipient Company</strong></td>
</tr>
<tr>
<td>11</td>
<td>Max=35</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>INTL</td>
<td><strong>Field Level:</strong> Shipment <strong>REQUIRED</strong>. Company name of the Recipient. *Required if shipment is being sent to a company. If this field is not applicable, field 12 (Recipient Name) must be completed.</td>
</tr>
<tr>
<td>12</td>
<td>Max=35</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>INTL</td>
<td><strong>Field Level:</strong> Shipment <strong>REQUIRED</strong>. Contact name at the Recipient company. *Required if a recipient company is not provided. *Required for Hold at Location service.</td>
</tr>
<tr>
<td>13</td>
<td>Max=35</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>INTL</td>
<td><strong>Field Level:</strong> Shipment <strong>REQUIRED</strong>. Primary address line of Recipient address. This is the address to which the shipment is sent.</td>
</tr>
<tr>
<td>14</td>
<td>Max=35</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>INTL</td>
<td><strong>Field Level:</strong> Shipment <strong>REQUIRED</strong>. Second address line of Recipient address. This is the address to which the shipment is sent.</td>
</tr>
</tbody>
</table>
### Fields for Adding Packages to a FedEx Transborder Distribution Shipment

**Transaction: 020 Global Ship Request - Open Ship MPS**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Service</th>
<th>FedEx Shipping Description</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Recipient City</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| 15 | For FDXG Max=20 For FDXE Max=24 | A | I | FDXE FDXG | INTL TD | **Field Level:** Shipment REQUIRED*.  
City name for the Recipient address. This is the city to which the shipment is sent.  
Note: If FedEx Ground shipment, city name is limited to 20 characters. |
| **Recipient State/Province** | | | | | | |
| 16 | Max=2 | A | I | FDXE FDXG | INTL TD | **Field Level:** Shipment REQUIRED*.  
State or province code of the Recipient address.  
See Appendix C of the Transaction Coding Reference for a list of state and province codes. |
| **Recipient Postal Code** | | | | | | |
| 17 | Max=10 | A | I | FDXE FDXG | INTL TD | **Field Level:** Shipment REQUIRED*.  
Postal code for the city and state or province code of the Recipient address.  
For FedEx international shipments: Canada (CA), Puerto Rico (PR) and U.S. must always use valid postal codes.  
For a list of countries that use postal codes, see Appendix C in the Transaction Coding Reference. |
| **Recipient Phone Number** | | | | | | |
| 18 | Max=15 | A | I | FDXE FDXG | INTL TD | **Field Level:** Shipment REQUIRED*.  
Phone number of the Recipient address. This number is used for FedEx Collect On Delivery (C.O.D.), Hold At Location (HAL) and Alcohol shipments. |
| **Recipient Country** | | | | | | |
| 50 | Max=2 | A | I | FDXE FDXG | INTL TD | **Field Level:** Shipment REQUIRED*.  
Two-digit code indicating the country of the Recipient address.  
*Required for FedEx SmartPost®.  
*Required for ADD Piece Open Ship function.  
See Appendix C in the Transaction Coding Reference for country codes. |
### Fields for Adding Packages to a FedEx Transborder Distribution Shipment

**Transaction: 020 Global Ship Request - Open Ship MPS**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>FedEx Shipping Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Recipient IRS/EIN/VAT Number</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>118</td>
<td>Max=15</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>INTL TD</td>
<td><strong>Field Level:</strong> Shipment Optional. Recipient’s tax identification number: Internal Revenue Service (IRS)/Employer Identification Number (EIN)), or other import identification number depending on the country of destination. Prints on the commercial invoice (CI).</td>
</tr>
<tr>
<td><strong>Package Weight/Shipment Weight</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1670#</td>
<td>Max=8.2</td>
<td>N</td>
<td>I</td>
<td>FDXE</td>
<td>INTL TD</td>
<td><strong>Field Level:</strong> Shipment for international and intra-Canada shipments <strong>REQUIRED</strong>. Weight of package or shipment. <em>Required for FedEx Transborder Distribution.</em> *Required to receive rate quotes. This weight field supports two implied decimals for ALL shipments and does not require any distinction between FedEx Express, FedEx Ground or FedEx International shipping. For all FedEx International and intra-Canada Shipping: You may enter the total shipment weight rather than the individual package weights. If you enter the total shipment weight, you must also use field 116 (Package Total) to indicate the total number of packages in the shipment.</td>
</tr>
<tr>
<td><strong>Pay Type</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Max=1</td>
<td>N</td>
<td>I</td>
<td>FDXE</td>
<td>INTL TD</td>
<td><strong>Field Level:</strong> Shipment <strong>REQUIRED.</strong> Code for payment type. Codes are different for FedEx Express and FedEx Ground shipments. FedEx Express payment types are: 1—Bill Sender 2—Bill Recipient or Consignee 3—Bill Third Party FedEx Ground payment types are: 1—Prepaid 2—Collect (not for C.O.D.) 3—Bill Third Party 5—Bill Recipient If you select 3—Bill Third Party, use field 20 (Payor Account Number) to enter FedEx account number of payor.</td>
</tr>
</tbody>
</table>
### Fields for Adding Packages to a FedEx Transborder Distribution Shipment

**Transaction: 020 Global Ship Request - Open Ship MPS**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Service</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Valid For</td>
<td></td>
</tr>
<tr>
<td>Package Total</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| 116 | Max=3 | N | I | FDXE FDXG | INTL TD | **Field Level:** Shipment for international and intra-Canada shipments Required*.  
Total number of packages in a shipment, including the master package.  
*Required for a multiple-piece shipment (MPS).  
For all MPS shipments, the software performs the package count summation based on the number of occurrences of field 1670-# (Package Weight / Shipment Weight) and overrides any input value. |

| Preassigned Tracking Number/ProNumber |

| 1222-# | Max=15 | N | I | FDXE FDXG | INTL TD | **Field Level:** Package Required*.  
Tracking number to be pre-assigned to the shipment.  
When creating a Bill of Lading (BOL), this number is the ProNumber.  
* Required if you produce custom labels. Typically not used if you allow FedEx Ship Manager Server to create your label.  
You can omit this field if:  
• A Route/Time-in-Transit transaction is performed simultaneously with a CREATE or an ADD transaction (for example, YYNNNNNNN or NYNNNNNNNN), and a pre-assigned tracking number is not being used.  
• The barcode string data is not required and a Route/Time-in-Transit transaction is not performed simultaneously with a CREATE or an ADD (for example, NYNNNNNNNN). |

| Packaging Type |

| 1273 | Max=2 | N | I | FDXE FDXG | INTL TD | **Field Level:** Shipment Required.  
Specify the Service type for FedEx Transborder Distribution.  
Must include with field 541 (Open Ship Flags) in the Open Ship CREATE transaction.  
Valid service type is: 82—Transborder Distribution Service for CA/MX. |
## Fields for Adding Packages to a FedEx Transborder Distribution Shipment

### Transaction: 020 Global Ship Request - Open Ship MPS

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>Service Type</strong></td>
</tr>
<tr>
<td>1274-#</td>
<td>Min=2 Max=3</td>
<td>N</td>
<td>I</td>
<td>FDXE FDXG</td>
<td><strong>Field Level:</strong> Shipment REQUIRED. Specify the Service type for FedEx Transborder Distribution. Must include with field 541 (Open Ship Flags) in the Open Ship CREATE transaction. Valid service type is: 82—Transborder Distribution Service for CA/MX.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>INTL TD</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>Handling Charge Type</strong></td>
</tr>
<tr>
<td>1588</td>
<td>Max=1</td>
<td>N</td>
<td>I</td>
<td>FDXE FDXG</td>
<td>Optional. Indicates the type of handling charge to be added to the net charge of the shipment. Valid values are: 0—No handling charge 1—Fixed handling charge amount 2—Variable handling charge based on percentage of gross transportation charge 3—Variable handling charge based on percentage of net charge 4—Variable handling charge based on percentage of net charge minus Canada taxes (CA origin only) Note: For FedEx Ground multiple-piece shipments (MPS), a value of 1, 2, 3, or 4 must be on the first package to enable variable handling charge on any subsequent package of the MPS. Note: You may also choose to configure a recurring handling charge type in the FSMS Configuration Utility for your Transaction Distribution shipments.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>INTL TD</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>Handling Charge Amount or Percentage</strong></td>
</tr>
<tr>
<td>1595-#</td>
<td>Max=7.2</td>
<td>N</td>
<td>I</td>
<td>FDXE FDXG</td>
<td>Optional. Handling charge as dollar amount or percentage. If field 1588 (Handling Charge Type) is set to 1 (Fixed handling charge amount), field 1595 contains a currency amount. For example, a value of 500 means $5.00. If field 1588 is set to 2, 3 or 4, field 1595 contains a percentage. For example, a value of 500 means 5%. Field allows up to seven (7) numeric characters, two of which are implied decimal entries.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>INTL TD</td>
<td></td>
</tr>
<tr>
<td>Handling Charge Application Point</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>----------------------------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1606-#</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max=1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>N</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FDXE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FDXG</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>INTL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TD</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Optional. Specifies at which level (package or shipment) FedEx handling charges apply.
Valid values are:
0 or blank—Handling charge applied at package level.
1—Handling charge applied at shipment level
Only repeat if used at the package level.

<table>
<thead>
<tr>
<th>Commercial Invoice Print and Upload Flag</th>
</tr>
</thead>
<tbody>
<tr>
<td>113</td>
</tr>
<tr>
<td>Max=1</td>
</tr>
<tr>
<td>A</td>
</tr>
<tr>
<td>I</td>
</tr>
<tr>
<td>FDXE</td>
</tr>
<tr>
<td>FDXG</td>
</tr>
<tr>
<td>INTL</td>
</tr>
<tr>
<td>TD</td>
</tr>
</tbody>
</table>

Field Level: Shipment REQUIRED*.
To create a commercial invoice for each piece of the shipment, set the flag to Y to create an individual commercial invoice.
*Required for the electronic upload of commercial invoice (CI) data (pre-clearance), VISA data upload, and/or printing of the FedEx commercial invoice (CI).
Valid values are:
Y—Uploads an ECI and/or prints a FedEx CI
N—Does not upload to FedEx or print a FedEx CI
Field 2404 Shipment Documentation Flag position 1 (Commercial Invoice) should also be set to Y to generate a CI (default). If field 113 is set to Y, it overrides the value in field 2404 position 1.
If field 113 is set to Y and field 2404 position 2 (Proforma Invoice) is set to Y, field 113 becomes primary and FedEx Ship Manager Server ignores the Proforma Invoice value.
Note: An Electronic Commercial Invoice (ECI) will only upload if accepted by the Recipient country. See the FedEx Service Guide for details.

<table>
<thead>
<tr>
<th>Open Ship Flags</th>
</tr>
</thead>
<tbody>
<tr>
<td>541</td>
</tr>
<tr>
<td>Max=9</td>
</tr>
<tr>
<td>A</td>
</tr>
<tr>
<td>I</td>
</tr>
<tr>
<td>FDXE</td>
</tr>
<tr>
<td>FDXG</td>
</tr>
<tr>
<td>INTL</td>
</tr>
<tr>
<td>TD</td>
</tr>
</tbody>
</table>

Field Level: Package REQUIRED*.
Nine one-byte flags which are set to Y to indicate Open Ship function. Flag must be either Y or N; you cannot enter all Ns.
To ADD a package, set the 4th position of the flag to Y.
For example, NNNYNNNNN requests to add a package to an Open Ship shipment.
*Required for Open Ship.
**Fields for Adding Packages to a FedEx Transborder Distribution Shipment**

**Transaction: 020 Global Ship Request - Open Ship MPS**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>Open Ship Index</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>REQUIRED</strong>.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Set to the unique number passed in the CREATE transaction. The value is a unique number per Open Ship shipment per meter and represents the Open Ship Index.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*Required for Open Ship.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Note: Field 542 is not required if you are simultaneously performing a CREATE or ADD transaction.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Examples of simultaneous transactions are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>YYNNNNNNN which performs a shipment level CREATE and Route/Time in Transit transaction or NYNYNNNNN which performs a package level ADD and shipment level Route/Time in Transit together in the same transaction.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>Total Commodity Customs Value</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>REQUIRED</strong> * or Optional.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Enter the total dutiable value of the shipment.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*Required when field 113 (Commercial Invoice Print and Upload Flag) is set to N.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Optional when field 113 is set to Y.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>If field 113 is set to Y, this value is derived from the sum of Quantity x Unit Value (field 82 x field 1030).</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>An entry in field 119 (Total Commodity Customs Value) will override the derived value.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>If field 113 is set to Y, field 2404 (Shipment Documentation Flag) position 1 (Commercial Invoice) should also be set to Y to generate a commercial invoice (default).</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>Commodity Line Item Weight</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>REQUIRED</strong> * or Optional.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>No implied decimal place if weight type is LBS.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>One implied decimal place if weight type is KGS.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*Required for IPD/IDF Open Ship MPS shipment</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Optional for FedEx commercial invoice.</td>
</tr>
</tbody>
</table>

---

**Notes:**
- Field 542 is not required if you are simultaneously performing a CREATE or ADD transaction.
- Examples of simultaneous transactions are: YYNNNNNNN which performs a shipment level CREATE and Route/Time in Transit transaction or NYNYNNNNN which performs a package level ADD and shipment level Route/Time in Transit together in the same transaction.
- If field 113 is set to Y, the value is derived from the sum of Quantity x Unit Value (field 82 x field 1030).
- An entry in field 119 (Total Commodity Customs Value) will override the derived value.
- If field 113 is set to Y, field 2404 (Shipment Documentation Flag) position 1 (Commercial Invoice) should also be set to Y to generate a commercial invoice (default).
# Fields for Adding Packages to a FedEx Transborder Distribution Shipment

## Transaction: 020 Global Ship Request - Open Ship MPS

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
</table>
| 79-#     | Max=450      | A         | I            | FDXE FDXG  | INTL TD | **Field Level:** Shipment **REQUIRED**.  
Description of commodity contents for the shipment. This can be used for free-form entry of document description when field 2396 (Document Description) is not used.  
*Required for commodity shipments or for document shipments when field 190 (Document Shipment Flag) is set to Y and field 2396 is not used.  
*Required for General Agency Agreement (GAA) if import shipment.  
Note: Only 31 characters of this field print on the labels, but 450 characters are available for customer input to be used on their own reports, including the Commercial Invoice.  
Note: If both field 79 and 2396 are populated in the same transaction, field 2396 takes precedence. |
| 80-#     | Max=2        | A         | I            | FDXE FDXG  | INTL TD | **Field Level:** Shipment **Optional.**  
Country code where commodity contents were produced or manufactured in their final form. If using a commercial invoice, this field is used at the commodity level.  
For multiple countries of manufacture, you may enter "XX" EXCEPT when shipping documents, multiple commodities, filling requests for customs documentation or using FedEx Transborder Distribution.  
See Appendix C in the *Transaction Coding Reference* for country codes. |
| 81-#     | Max=10       | A         | I            | FDXE FDXG  | INTL TD | **Field Level:** Shipment **REQUIRED.**  
10-digit Schedule B Number or Harmonized Tariff Schedule Number for the commodity being exported. |
| 414-#    | Max=3        | A         | I            | FDXE FDXG  | INTL TD | **Field Level:** Shipment **REQUIRED**.  
Units of measure used to measure the commodity, such as IN, CM, FT, M, L and so forth.  
*Required if using FedEx Commercial Invoice and/or filing a Electronic Export Information (EEI).  
See Appendix C in the *Transaction Coding Reference* for a list of unit of measure codes. |
### Commercial Invoice (CI) Comment Line

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>418-#</td>
<td>Max=74</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td><strong>Field Level:</strong> Shipment Optional. Single-line comment to be printed on the commercial invoice (CI). You can enter up to three (3) comment lines. Use field 418-1 to create the first line of the comment, 418-2 to create the second line, and 418-3 to create the third line.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FDXG</td>
<td>INTL</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TD</td>
<td></td>
</tr>
</tbody>
</table>

### Commodity Line Item Unit Value

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1030-#</td>
<td>Max=15.6</td>
<td>N</td>
<td>I</td>
<td>FDXE</td>
<td><strong>Field Level:</strong> Shipment Optional. Selling price or cost (if not sold) of the commodity. Required when using the FedEx commercial invoice (CI), and field 113 (Commercial Invoice Print and Upload Flag) is set to Y. If FedEx is filing the CI, the value for field 1030 and field 82 (Commodity Quantity) determine the Total Customs Value for the shipment. Total Customs Value equals field 82 multiplied by field 1030. This derived value can be overridden by passing a value in field 119 (Total Commodity Customs Value). If field 113 is set to Y, field 2404 (Shipment Documentation Flag) position 1 (Commercial Invoice) should also be set to Y to generate the commercial invoice (default).</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FDXG</td>
<td>INTL</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TD</td>
<td></td>
</tr>
</tbody>
</table>

### CI Marks and Numbers

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>120-#</td>
<td>Max=15</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td><strong>Field Level:</strong> Shipment Optional. An identifying mark or number used on the packaging of a shipment to help customers identify a particular shipment. Only used for the FedEx commercial invoice (CI).</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FDXG</td>
<td>INTL</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TD</td>
<td></td>
</tr>
</tbody>
</table>

### Country of Ultimate Destination

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>74</td>
<td>Max=2</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td><strong>REQUIRED.</strong> Must be one of the ultimate destination countries of the FedEx Clearance Facility.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FDXG</td>
<td>INTL</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TD</td>
<td></td>
</tr>
</tbody>
</table>
Deleting a Transborder Distribution Package

Use the Open Ship 020 Global Ship Request transaction to delete a package from a Transborder Distribution shipment. Do not use the 023 Global Delete Request transaction to delete a Transborder Distribution package. See Chapter 4: FedEx Ship Manager Server Open Ship Transactions for information about deleting packages in an Open Ship shipment.

Table 11-11 Fields to DELETE Package from Transborder Distribution Shipment

| Required Fields to Delete a Package from a Transborder Distribution Shipment |
|---|---|---|---|---|
| **Transaction:** 020 Global Ship Request - Open Ship MPS |
| **Field ID** | **Field Length** | **Data Type** | **Input/Output** | **FedEx Shipping Service** | **FedEx Shipping Valid For** | **Description** |
| Tracking Number |
| 29 | Min=12 Max=25 | A | I/O | FDXE | FDXG | INTL | TD | REQUIRED*. Tracking number of the package or piece in a multiple-piece shipment (MPS). Using field 29 as a multiple occurrence field, allows all child tracking numbers to be returned in the Reply transaction. |
| Open Ship Flags |
| 541 | Max=9 | A | I | FDXE | FDXG | INTL | TD | Field Level: Package REQUIRED*. Nine one-byte flags which are set to Y to indicate Open Ship function. Flag must be either Y or N; you cannot enter all Ns. To DELETE a package, set the 7th position of the flag to Y. For example, NNNNNYYNN requests to delete a package from an Open Ship shipment. *Required for Open Ship. |
| Open Ship Index |
| 542 | Max=9 | N | I | FDXE | FDXG | INTL | TD | REQUIRED*. Set to the unique number passed in the CREATE transaction. The value is a unique number per Open Ship shipment per meter and represents the Open Ship Index. *Required for Open Ship. Note: Field 542 is not required if you are simultaneously performing a CREATE or ADD transaction. Examples of simultaneous transactions are: YYNNNNNNN which performs a shipment level CREATE and Route/Time in Transit transaction or NYYNNNNNN which performs a package level ADD and shipment level Route/Time in Transit together in the same transaction. |
Confirming a Transborder Distribution Shipment

Confirming a shipment closes the shipment and prevents further shipping activity. After a shipment is confirmed, packages cannot be added or deleted. To CONFIRM a Transborder Distribution shipment, use the 020 Global Ship Request transaction with the fields listed in Table 11-12.

### Table 11-12 Fields to CONFIRM a Transborder Distribution Shipment

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>541</td>
<td>Max=9</td>
<td>A</td>
<td>I</td>
<td>FDXE FDXG</td>
<td>Field Level: Shipment REQUIRED*. Nine one-byte flags which are set to Y to indicate Open Ship function. Flag must be either Y or N; you cannot enter all Ns. To DELETE a shipment, set the 8th position of the flag to Y. For example, NNNNNNNYN requests to delete an Open Ship shipment. *Required for Open Ship.</td>
</tr>
<tr>
<td>542</td>
<td>Max=9</td>
<td>N</td>
<td>I</td>
<td>FDXE FDXG</td>
<td>REQUIRED*. Set to the unique number passed in the CREATE transaction. The value is a unique number per Open Ship shipment per meter and represents the Open Ship Index. *Required for Open Ship. Note: Field 542 is not required if you are simultaneously performing a CREATE or ADD transaction. Examples of simultaneous transactions are: YYNNNNNNN which performs a shipment level CREATE and Route/Time in Transit transaction or NYNNNNNNN which performs a package level ADD and shipment level Route/Time in Transit together in the same transaction.</td>
</tr>
<tr>
<td>1666</td>
<td>Max=35</td>
<td>A</td>
<td>I</td>
<td>FDXE FDXG</td>
<td>REQUIRED. Port of arrival for CA to U.S. Transborder Distribution shipments only. Required for CA to U.S.; not required for MX origin Transborder Distribution shipments. Include field 1666 in both the Open Ship CREATE and CONFIRM transactions. Valid ports of arrival are listed in Appendix C of the Transaction Coding Reference.</td>
</tr>
</tbody>
</table>
FedEx Ship Manager Server prints the following documents when you successfully complete a CONFIRM shipment transaction:

- Transborder Distribution Consolidated Commercial Invoice—if the CI flag is set at the Transborder Distribution shipment level
- Transborder Distribution Domestic Express Courier Report—for Express packages
- Transborder Distribution Ground Manifest Report—for Ground packages

FedEx Ship Manager Server automatically confirms and closes Transborder Distribution shipments no later than one (1) day after the ship date. FedEx Ship Manager Server deletes any shipment that has no packages.

**Performing a Transborder Distribution Open Ship End-of-Day Close**

Close is done at the end of your shipping day (or as required) by using the 007 End-of-Day Close Request transaction. Closing Transborder Distribution shipments is not different from the usual shipping close procedure.

For information about performing an End-of-Day Close for FedEx Ship Manager Server, see the FedEx Ship Manager Server Transaction Coding Reference guide.

**For Canadian Transborder Distribution Shipments Only**

If Transborder Distribution shipments remain unclosed after the ship date, depending on the Transborder Distribution AutoConfirm Time set in the FSMS Configuration Utility, FedEx Ship Manager Server evaluates unconfirmed shipments for the following:

- The unconfirmed shipment is a shipment with at least one package.
- The package ship date is at least 24 hours greater than the current system date/time. For example FedEx Ship Manager Server would detect this situation: Your Transborder Distribution shipment date is January 21, 2007, but your system date is January 23, 2007.

If both of these conditions exist for unclosed Transborder Distribution shipments, FedEx Ship Manager Server automatically confirms and closes these shipments for you.

**Returning the CRN Count**

To return a number that indicates how many packages have been processed with the same creation date for your Transborder Distribution shipment, the following position flags must be set to Y:

- 4—Add a piece (package)
- 6—Edit/add data to the entire shipment
- 7—Delete a piece (package)
- 9—Confirm the shipment

The package count (Child Return Count or CRN) and package creation date return in field 116 (Total Package Count). If the following fields are set to Y, field 116 is not returned:

- 1—Create an Open Ship shipment
- 2—Route/time in transit
- 5—Edit a piece
- 3—Rate
- 8—Delete the shipment
Requesting Transborder Distribution Rate/Route/Time-in-Transit

Because of the flexible shipping requirements provided as part of the Transborder Distribution service, you can request rate, route and time-in-transit information for your Transborder Distribution shipments using the Open Ship 020 Global Ship Request transaction. Below are instructions for rate, route and time-in-transit requests:

**Requesting Shipment Route/Time-in-Transit Information**

To request routing/time-in-transit information for a Transborder Distribution shipment, the fields in Table 11-13 must be included in a Transborder Distribution Open Ship 020 Global Ship Request transaction.

**Table 11-13 Fields to Request ROUTE and Time-In-Transit**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>FedEx Shipping Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FDXE</td>
<td>INTL</td>
<td>REQUIRED*</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FDXG</td>
<td>TD</td>
<td>Required: Postal code for the city and state or province code of the Recipient address. For a list of countries that use postal codes, see Appendix C in the Transaction Coding Reference.</td>
</tr>
</tbody>
</table>

**Recipient Postal Code**

17  Max=10  A  I  FDXE  FDXG  INTL  TD  REQUIRED*. Postal code for the city and state or province code of the Recipient address. For a list of countries that use postal codes, see Appendix C in the Transaction Coding Reference.

**Meter Number**

498  Min=7  Max=9  N  I  FDXE  FDXG  INTL  TD  Field Level: Shipment REQUIRED* or Defaulted. Unique number assigned to a FedEx shipping account (used in each transaction to identify the revenue/shipping activity of a shipment). Defaults to the master meter number. *Required if the meter number is different than the meter number configured as the default. Note: If a one-to-one relationship exists between meter numbers and account numbers (in other words, there is no more than one meter number per account number), then the meter number or the account number alone may be used in the transaction. Note: In FedEx Ship Manager Server version 10.01, meter numbers are expanded to nine-digits in length. Your assigned meter number may be any length up to nine-digits.

**Open Ship Flags**

541  Max=9  A  I  FDXE  FDXG  FDXT  INTL  TD  Field Level: Shipment REQUIRED*. Nine one-byte flags which are set to Y to indicate Open Ship function. Flag must be either Y or N; you cannot enter all Ns. To ROUTE a shipment, set the 2nd position of the flag to Y. For example, NYNNNNNNN requests the FedEx Express routing or FedEx Ground time-in-transit information. *Required for Open Ship.
### Required Fields to Request Routing and Time-In-Transit Data

**Transaction: 020 Global Ship Request - Open Ship MPS**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>FedEx Shipping Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FDXE</td>
<td>INTL TD</td>
<td></td>
</tr>
</tbody>
</table>

#### Open Ship Index

- **Field ID:** 542
- **Field Length:** Max=9
- **Data Type:** N I
- **Input/Output:** I
- **FedEx Shipping Service:** FDXE
- **FedEx Shipping Valid For:** INTL TD

**REQUIRED**.

Set to the unique number passed in the CREATE transaction. The value is a unique number per Open Ship shipment per meter and represents the Open Ship Index.

*Required for Open Ship.

Note: Field 542 is not required if you are simultaneously performing a CREATE or ADD transaction.

Examples of simultaneous transactions are: YYNYN
which performs a shipment level CREATE and Route/Time in Transit transaction, or NYNYNN
which performs a package level ADD and shipment level Route/Time in Transit together in the same transaction.

#### Rate/Route/Time-in-Transit Flag

- **Field ID:** 1234
- **Field Length:** Max=1
- **Data Type:** N I
- **Input/Output:** I
- **FedEx Shipping Service:** FDXE
- **FedEx Shipping Valid For:** INTL TD

**Optional.**

Indicates the Rate/Route/Time in Transit flag.*

Valid values are:

1—Rate Quote
2—Route/Time in Transit
3—Rate Quote and Route

Passing this field in a transaction returns a rate quote only, and the shipment is not processed for shipping.

To ship a package after a rate/route request, code this field in a new 020 transaction with no value; for example: 1234,"

Note: For Open Ship shipments you can also capture rate quotes by setting position 3 to field 541 (Open Ship Flags) to Y.

#### Service Type

- **Field ID:** 1274
- **Field Length:** Min=2 Max=3
- **Data Type:** N I
- **Input/Output:** I
- **FedEx Shipping Service:** FDXE
- **FedEx Shipping Valid For:** INTL TD

**Field Level:** Shipment

**REQUIRED.**

Specify the Service type for FedEx Transborder Distribution.

Must include with field 541 (Open Ship Flags) in the Open Ship CREATE transaction.

Valid service type is:

82—Transborder Distribution Service for CA/MX.

#### Carrier Code

- **Field ID:** 3025
- **Field Length:** Max=4
- **Data Type:** A I
- **Input/Output:** I
- **FedEx Shipping Service:** FDXE
- **FedEx Shipping Valid For:** INTL TD

**REQUIRED**.

Specify the carrier code on which to perform the Close function.

Valid value:

FDXT—FedEx Transborder Distribution*

*FedEx Transborder Distribution is a contract-only service. Contact your FedEx account executive for more information.

The route/time-in-transit information for your shipment is returned in the 120 Global Ship Reply transaction reply. This data is determined from the Transborder Distribution U.S. drop-off location postal code configured for your Transborder Distribution shipping contract.
### Requesting Rate Quotes

To request rate quotes for your Transborder Distribution shipment, include the fields in Table 11-14 in the Transborder Distribution Open Ship 020 Global Ship Request transaction.

#### Table 11-14 Fields to Request Rate Quotes for Transborder Distribution Shipments

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input</th>
<th>Output</th>
<th>FedEx Shipping</th>
<th>Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>REQUIRED. Postal code for the city and state or province code of the Recipient address. For FedEx international shipments: Canada (CA), Puerto Rico (PR) and U.S. must always use valid postal codes. For a list of countries that use postal codes, see Appendix C in the Transaction Coding Reference.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>REQUIRED*. Height measurement per package. No implied decimal places. For FedEx SmartPost: field is optional; always enter in inches.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>REQUIRED*. Width measurement per package. No implied decimal places. For FedEx SmartPost: field is optional; always enter in inches.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>REQUIRED*. Length measurement per package. No implied decimal places. For FedEx SmartPost: field is optional; always enter in inches.</td>
</tr>
</tbody>
</table>
## Weight Units

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input | Output</th>
<th>FedEx Shipping Service</th>
<th>FedEx Shipping Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>75</td>
<td>Max=3</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>FDXT</td>
<td>Field Level: Shipment REQUIRED* or Defaulted. Indicates the unit of weight used for the shipment. *Required if your shipment is calculated in kilograms (KGS). Valid values are: LBS—Weight in pounds (default for U.S. domestic and export) KGS—Weight in kilograms (default for intra-Canada and all international) Note: For intra-U.S.(domestic) shipments, you may enter the weight in LBS or KGS.</td>
</tr>
</tbody>
</table>

## Meter Number

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input | Output</th>
<th>FedEx Shipping Service</th>
<th>FedEx Shipping Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>498</td>
<td>Max=11.2</td>
<td>N</td>
<td>I</td>
<td>FDXE</td>
<td>FDXT</td>
<td>Field Level: Shipment REQUIRED* or Defaulted. Unique number assigned to a FedEx shipping account (used in each transaction to identify the revenue/shipping activity of a shipment). Defaults to the master meter number. *Required if the meter number is different than the meter number configured as the default. Note: If a one-to-one relationship exists between meter numbers and account numbers (in other words, there is no more than one meter number per account number), then the meter number or the account number alone may be used in the transaction. Note: In FedEx Ship Manager Server version 10.01, meter numbers are expanded to nine-digits in length. Your assigned meter number may be any length up to nine-digits.</td>
</tr>
</tbody>
</table>

## Open Ship Flags

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input | Output</th>
<th>FedEx Shipping Service</th>
<th>FedEx Shipping Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>541</td>
<td>Max=9</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>FDXT</td>
<td>Field Level: Shipment REQUIRED*. Nine one-byte flags which are set to Y to indicate Open Ship function. Flag must be either Y or N; you cannot enter all Ns. To RATE a shipment, set the 3rd position of the flag to Y. For example, NNYNNNNNN requests the rate for the Open Ship shipment. *Required for Open Ship.</td>
</tr>
</tbody>
</table>
### Required Fields to Request Rate Quotes for Open Ship Transborder Distribution Shipments

**Transaction: 020 Global Ship Request - Open Ship MPS**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>542</td>
<td>Max=9</td>
<td>N</td>
<td>I</td>
<td>FDXE FDXG FDXT</td>
<td>REQUIRED*. Set to the unique number passed in the CREATE transaction. The value is a unique number per Open Ship shipment per meter and represents the Open Ship Index. *Required for Open Ship. Note: Field 542 is not required if you are simultaneously performing a CREATE or ADD transaction. Examples of simultaneous transactions are: YYNNNNNNNN which performs a shipment level CREATE and Route/Time in Transit transaction or NYNYNNNNNN which performs a package level ADD and shipment level Route/Time in Transit together in the same transaction.</td>
</tr>
<tr>
<td>1234</td>
<td>Max=1</td>
<td>N</td>
<td>I</td>
<td>FDXE FDXG FDXT</td>
<td>Optional. Indicates the Rate/Route/Time in Transit flag.* Valid values are: 1—Rate Quote 2—Route/Time in Transit 3—Rate Quote and Route Passing this field in a transaction returns a rate quote only, and the shipment is not processed for shipping. To ship a package after a rate/route request, code this field in a new 020 transaction with no value; for example: 1234,”” Note: For Open Ship shipments you can also capture rate quotes by setting position 3 to field 541 (Open Ship Flags) to Y.</td>
</tr>
<tr>
<td>1274</td>
<td>Min=2</td>
<td>Max=3</td>
<td>N</td>
<td>I</td>
<td>Field Level: Shipment REQUIRED. Specify the Service type for FedEx Transborder Distribution. Must include with field 541 (Open Ship Flags) in the Open Ship CREATE transaction. Valid service type is: 82—Transborder Distribution Service for CA/MX.</td>
</tr>
</tbody>
</table>
The rate information for your shipment is returned in the 120 Global Ship Reply transaction reply. This data is determined from the Transborder Distribution U.S. drop-off location postal code configured for your Transborder Distribution shipping contract.

Note: Base rates downloaded to the FedEx Ship Manager Server client to be used for Transborder Distribution shipping only are in U.S. dollars (USD).

### Requesting Delivery Time

When you request delivery time based on the origin and destination for your Transborder Distribution shipment, the fields in Table 11-15 are returned in the Transborder Distribution Open Ship 120 Global Ship Reply transaction:

**Table 11-15 Fields for Requesting Delivery Time**

<table>
<thead>
<tr>
<th>For...</th>
<th>Origin/Destination</th>
<th>Use 120 Global Ship Reply fields...</th>
</tr>
</thead>
<tbody>
<tr>
<td>FedEx Express</td>
<td>US/CA</td>
<td>409—Delivery by Date</td>
</tr>
<tr>
<td></td>
<td>CA/US</td>
<td>194—Delivery Day</td>
</tr>
<tr>
<td></td>
<td></td>
<td>33—Service Commit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1981—Delivery Time</td>
</tr>
<tr>
<td>FedEx Ground</td>
<td>US/CA</td>
<td>3058—Time in Transit</td>
</tr>
<tr>
<td></td>
<td>CA/US</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CA/CA</td>
<td>1981—Delivery Time</td>
</tr>
</tbody>
</table>

The rate information for your shipment is returned in the 120 Global Ship Reply transaction reply. This data is determined from the Transborder Distribution U.S. drop-off location postal code configured for your Transborder Distribution shipping contract.

Note: Base rates downloaded to the FedEx Ship Manager Server client to be used for Transborder Distribution shipping only are in U.S. dollars (USD).
Optional Commodity Fields for FedEx Transborder Distribution Master Shipment

For FedEx Transborder Distribution Mexico (MX) and Canada (CA) origins, the following two fields in Table 11-16 are not required when using the 020 Global Ship Request transaction to create the Open Ship Transborder Distribution master shipment:

Table 11-16 Optional Commodity Fields for Transborder Distribution Shipment

<table>
<thead>
<tr>
<th>Transaction</th>
<th>Optional Fields</th>
<th>Valid Values</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>020/120 Global Ship Request/Reply</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shipping Transaction</td>
<td>Description of Contents</td>
<td>Description of contents of a commodity shipment. Optional for (shipment level) CREATE master TD shipment transaction. Required for (package level) ADD PIECE to TD shipment transaction.</td>
</tr>
<tr>
<td>79</td>
<td>Country of Manufacture</td>
<td>Country code where commodity contents were produced or manufactured in their final form. Optional for shipment level TD create master shipment transaction. Required for package level TD add shipment piece transaction.</td>
</tr>
</tbody>
</table>
FedEx Transborder Distribution Labels

FedEx Transborder Distribution shipments are created using the FedEx Ship Manager Server Open Ship transaction method which allows you to print labels at the end when you CONFIRM the shipment (Print-At-The-End mode). For more information about Open Ship, see Chapter 4: FedEx Ship Manager Server Open Ship Transactions.

There is no label for the master (Canada to U.S.) shipment. For child labels, although multiple piece shipping (MPS) is allowed, the Transborder Distribution child label always shows a “one-to-one” relationship with the package for which it was generated. Transborder Distribution labels do not display any package counts (for example: package 3 of a 10 package shipment does not display “3 of 10” on the Transborder Distribution label).

A Transborder Distribution Mexico shipment prints a Master air waybill (MAWB) at the time the Transborder Distribution shipment is confirmed.

FedEx Transborder Distribution Label Formats

This section provides a brief description of the Transborder Distribution labels created by FedEx Ship Manager Server and includes Transborder Distribution label samples with field descriptions.

Note: The label formats supported by the Transborder Distribution service are the 4” x 6” thermal label (doc tab and non doc tab) and the PNG format (printed as a laser label). Information for configuring a label printer is provided in this guide.

Custom labels are supported for Transborder Distribution shipping.

The following printer types are supported by FedEx Ship Manager Server for FedEx Transborder Distribution shipping:

<table>
<thead>
<tr>
<th>Printer</th>
<th>Shipping Type Supported</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eltron LP2348</td>
<td>FedEx Express and FedEx Ground</td>
</tr>
<tr>
<td>Eltron Orion LP2443</td>
<td>FedEx Express and FedEx Ground</td>
</tr>
<tr>
<td>Zebra DA402</td>
<td>FedEx Express (and FedEx Ground v 7.2 and higher)</td>
</tr>
<tr>
<td>Laser</td>
<td>For FedEx Express and FedEx Ground using PNG (Portable Network Graphic) format only</td>
</tr>
</tbody>
</table>

You may also override any printer configuration settings in the FSMS Configuration Utility by using the label printer fields provided as part of the 020 Global Ship Request transaction set.

More information regarding these fields is provided in the FedEx Ship Manager Server Transaction Coding Reference guide.

In FedEx Ship Manager Server version 8.4, a label buffer is returned for Transborder Distribution shipments that makes it possible to customize the label that prints on your printer.
Figure 11-1 and Figure 11-2 display samples of Transborder Distribution labels in PNG format printed by a laser printer on plain paper. For information about FSMS labels, see Chapter 3: FedEx Ship Manager Server Label and Form Transactions.

**Figure 11-1 FedEx Express® Priority Overnight ‐ FedEx® Transborder Distribution Label Sample**

<table>
<thead>
<tr>
<th>From</th>
<th>Origin ID: NQAA  (901)263-9431</th>
</tr>
</thead>
<tbody>
<tr>
<td>Return Contact Name</td>
<td></td>
</tr>
<tr>
<td>Return Address Line 1</td>
<td></td>
</tr>
<tr>
<td>Return Address Line 2</td>
<td>Coleridge, VA 23867</td>
</tr>
</tbody>
</table>

**SHIP TO**  (901)263-9433

<table>
<thead>
<tr>
<th>BILL TO</th>
<th>BILL SENDER</th>
</tr>
</thead>
<tbody>
<tr>
<td>3001</td>
<td></td>
</tr>
</tbody>
</table>

**Recipient Company**

**Recipient Address Line 1**

**Recipient Address Line 2**

Alexandria, VA 22314

**U.S.**

<table>
<thead>
<tr>
<th>Delivery Address Bar Code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Send Date</th>
<th>6/FE/09</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arpt Ref</td>
<td>11B</td>
</tr>
<tr>
<td>CAd</td>
<td>400935/1232760</td>
</tr>
<tr>
<td>Account</td>
<td>999999</td>
</tr>
</tbody>
</table>

**Booking #**

<table>
<thead>
<tr>
<th>Delivery Address Bar Code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>SG ANCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>22314</td>
<td>VA-US</td>
</tr>
<tr>
<td>ANC</td>
<td></td>
</tr>
</tbody>
</table>

**Figure 11-2 FedEx Ground Collect On Delivery (C.O.D.) ‐ Label Sample**

**Mail From**

**COD Poblem Company**

**COD Poblem Address Line 1**

**COD Poblem Address Line 2**

Moncton, NB E1E3Y8

**Recipient**

**Recipient Address Line 1**

**Recipient Address Line 2**

Indianapolis, IN 46204

<table>
<thead>
<tr>
<th>COD</th>
<th></th>
</tr>
</thead>
</table>

**Regular C.O.D.**

**GUARANTEED FUNDS!**

**COD AMOUNT:** 100.00 CAD
FedEx Transborder Distribution Reports

FedEx Ground Commercial Invoice

You can choose to request that FedEx Ship Manager Server generate a FedEx Ground Commercial Invoice for all your FedEx Ground shipments.

You can print and upload the Ground Commercial Invoice by including field 113 (Commercial Invoice Print and Upload Flag) in your FedEx Ground shipping transaction.

Transborder Distribution Consolidated Commercial Invoice

Below is a review of each section of the Transborder Distribution Consolidated Commercial Invoice (CCI).

Transborder Distribution CCI Header

The CCI header provides the following shipment information:

• Ship Date
• International Air Waybill Number—Master air waybill (MAWB) tracking number for the shipment
• Invoice Number—FSMS-generated invoice number for the shipment

Transborder Distribution CCI Shipment Summary

The summary section which prints after the CCI header information provides this shipment level information:

• Shipper—identification of shipper from your FedEx Ship Manager Server shipper record
• Consignee—FedEx location where the Transborder Distribution shipment is cleared by Customs
• Broker—broker identification if you use a broker other than FedEx
• Importer of Record—importer identification if an importer other than the shipper is used
• Package Summary—totals for the Transborder Distribution shipment, including Weight, Currency Type and number of packages (CRN)
• Layout—groups the commodity and organizes it in a logical manner. The criteria for grouping commodities are exact matching values of the following fields:
  — Description
  — Country of Manufacture
  — Unit of measure
  — HS Code (optional)

Transborder Distribution CCI CRN Data

Following the CCI summary section is the individual package information identifying each package in the Transborder Distribution shipment. This information is entered as part of the Transborder Distribution 020 Global Ship Request transaction and is required to clear packages through Customs.

CCI Totals

FedEx Ship Manager Server totals all package values for the Transborder Distribution shipment and reports these totals at the bottom of the CCI. These totals include:

• Total Shipment Weight—total weight of all packages in the Transborder Distribution shipment
• Total Express Weight—total weight of packages to be shipped using FedEx Express after packages have cleared Customs. When added to the Total Ground Weight, the sum equals the Total Shipment Weight.
• Total Ground Weight—total weight of packages to be shipped using FedEx Ground after packages have cleared Customs. When added to the Total Express Weight, the sum equals the Total Shipment Weight.

• Total Commodity Value—total declared commodity value of all packages in the Transborder Distribution shipment

• Incoterm—terms of sale for the shipment. For example: if FOB/FCA is selected, this indicates Free on Board/Free Carrier as the terms of sale.

• Freight—total freight charges for the shipment

• Insurance—insurance costs for the shipment

• Other—total of any ancillary charges incurred for shipping

• Total Invoice Value—total value derived from the sum of the Total Commodity Value, Freight, Insurance, and Other.

**FedEx Ground Pickup Manifest for Transborder Distribution**

The FedEx Ground Pickup Manifest for Transborder Distribution is identical to the standard report generated for any type of FedEx Ground package shipping.

The FedEx Ground Pickup Manifest is required by the FedEx Ground courier to tender packages for shipping. It provides a summary of the packages picked up on a given day to the FedEx Ground courier and provides the following information:

• Sender’s account number

• Sender’s meter number

• Tracking number for all packages

• C.O.D. amount (if applicable)

• Declared value (if applicable)

• Number of Oversize I packages

• Number of Oversize II packages

• Number of packages requiring additional handling

• Number of residential delivery packages

• Total number of packages

• Pickup number

If you have chosen to ship any FedEx Transborder Distribution packages using FedEx Ground or FedEx Home Delivery, the FedEx Ground Pickup Manifest prints after you CONFIRM the shipment.

**Domestic Courier Report – FedEx Express**

The Domestic Courier Report lists the individual FedEx Express U.S. domestic packages, categorized by service type and weight, which were shipped for a specific invoice number. This report is signed and given to the FedEx courier during package pickup.

This report provides the following information for each FedEx Express U.S. domestic package shipped:

• Ship date

• Tracking number

• Service type

• Billing weight

• Destination postal code

• Package charge amount
The billing weights, package counts and package charge amounts are sub-totaled for each service type, and
totaled for the entire invoice.

**Express Courier Report for FedEx Transborder Distribution**

The Express Courier Report for Transborder Distribution is identical to the report generated for express package shipping.

The Express Courier Report is printed after you confirm a shipment when you use the FedEx Express service to ship one or more FedEx Transborder Distribution package. The Express Courier Report is required to tender packages for express shipping.
# Transborder Distribution Error Messages

Table 11-17 lists common Transborder Distribution error messages.

**Table 11-17 Error Messages for Transborder Distribution Transactions**

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Error Message</th>
<th>Occurring When</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>“Unclosed TD shipments exist these must be deleted prior to entering any TD shipment data.”</td>
<td>At CREATE</td>
<td>Transborder Distribution shipment is still open from a previous day or earlier (unconfirmed), and the customer attempts to create a new shipment.</td>
</tr>
<tr>
<td></td>
<td>“Unclosed TD shipments exist these must be deleted prior to entering any TD shipment data.”</td>
<td>ADD a Package</td>
<td>Transborder Distribution shipment is still open from a previous day or earlier (unconfirmed), and the customer attempts to add a package to the same existing shipment.</td>
</tr>
<tr>
<td></td>
<td>“Unclosed TD shipments exist these must be deleted prior to entering any TD shipment data.”</td>
<td>CONFIRM</td>
<td>Transborder Distribution shipment is still open from a previous day or earlier (unconfirmed), and the customer attempts to confirm the same existing shipment.</td>
</tr>
<tr>
<td></td>
<td>“Incomplete dimension information.”</td>
<td>ADD a Package</td>
<td>Customer attempts to add a package as a Transborder Distribution Express package, any Express service type, customer packaging only, without entering the three dimension fields: 57—package height, 58—package width, and 59—package length.</td>
</tr>
<tr>
<td></td>
<td>“Incomplete dimension information.”</td>
<td>ADD a Package</td>
<td>Customer attempts to add a package as a Transborder Distribution Ground Package, any Ground service type, customer packaging without entering the three dimensions fields: 57—package height, 58—package width, and 59—package length.</td>
</tr>
<tr>
<td></td>
<td>“Selected Service is not available to destination.”</td>
<td>ADD a Package</td>
<td>Customer attempts to add a package Transborder Distribution to Puerto Rico.</td>
</tr>
<tr>
<td></td>
<td>“An Open Ship Index (542) was not specified.”</td>
<td>At CREATE</td>
<td>Customer attempts to create a Transborder Distribution shipment, Field 1274 is set to 82, without the Open Ship Index Field, Field 542.</td>
</tr>
<tr>
<td></td>
<td>“Invalid service type.”</td>
<td>ADD a Package</td>
<td>Customer attempts to add a package, domestic service type in Field 1274 without the Open Ship Index field, Field 542.</td>
</tr>
<tr>
<td></td>
<td>“Duplicate Open Ship Index (542) values are not allowed.”</td>
<td>At CREATE</td>
<td>Customer attempts to create another Transborder Distribution shipment via Open Ship inserting Field 542 with data that is already being used for another open (not yet confirmed) Transborder Distribution shipment.</td>
</tr>
<tr>
<td></td>
<td>“Entire TD Shipment is deleted including all children.”</td>
<td>023 Global Ship Delete</td>
<td>Customer attempts to delete the Master tracking number of a Transborder Distribution shipment assigned during the Create, after confirm has taken place using the 023 Delete transaction.</td>
</tr>
<tr>
<td></td>
<td>“You cannot delete a package from a closed TD shipment.”</td>
<td>023 Global Ship Delete</td>
<td>Customer attempts to delete a package tracking number from a Transborder Distribution shipment after confirm has taken place using the 023 Delete transaction.</td>
</tr>
<tr>
<td></td>
<td>“Tracking number passed in the transaction is ignored and the entire shipment is confirmed. Package Confirm is not allowed for TD inside Open Shipping.”</td>
<td>Package CONFIRM</td>
<td>Customer attempts to perform a package confirm for an existing Transborder Distribution package.</td>
</tr>
<tr>
<td><strong>“FXRS will ignore. Editing a TD Package will be ignored based on the fact that the label and certain reports were already generated when the package was added.”</strong></td>
<td><strong>EDIT Package</strong></td>
<td><strong>Customer attempts to edit a package for an existing Transborder Distribution package.</strong></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
<td></td>
</tr>
<tr>
<td><strong>“Database problem! Cannot confirm a TD shipment.”</strong></td>
<td><strong>CONFIRM</strong></td>
<td><strong>Transborder Distribution customer attempts to confirm shipment, and error occurs inserting the information into the database.</strong></td>
<td></td>
</tr>
<tr>
<td><strong>“TD Shipment already created.”</strong></td>
<td><strong>At CREATE</strong></td>
<td><strong>Transborder Distribution customer attempts to create the same TD shipment by passing the same information in the Open Ship Index field, Field 542.</strong></td>
<td></td>
</tr>
<tr>
<td><strong>“The shipment must have a minimum of 1 package.”</strong></td>
<td><strong>CONFIRM</strong></td>
<td><strong>Customer attempts to confirm a Transborder Distribution shipment, but has not added any packages.</strong></td>
<td></td>
</tr>
<tr>
<td><strong>“This is acceptable behavior.”</strong></td>
<td><strong>At CREATE</strong></td>
<td><strong>CA/MX meter 1, 662859, has Transborder Distribution shipment with shipment index A already open, CA/MX Meter 2, 659874, creates Transborder Distribution shipment with same shipment index A.</strong></td>
<td></td>
</tr>
<tr>
<td><strong>“This is acceptable behavior.”</strong></td>
<td><strong>At CREATE</strong></td>
<td><strong>CA/MX meter 1, 662859, has Transborder Distribution shipment with shipment index B open, meter 2, 659874, creates regular open shipment with same shipment index B.</strong></td>
<td></td>
</tr>
<tr>
<td><strong>“Pickup date cannot be less than current date or greater than 10 days.”</strong></td>
<td><strong>At CREATE</strong></td>
<td><strong>CA customer attempts to Future Day ship any Transborder Distribution package with a ship date greater than 10 days in the Create. This applies to Express or Ground Child packages.</strong></td>
<td></td>
</tr>
<tr>
<td><strong>“Pickup date cannot be less than current date or greater than 10 days.”</strong></td>
<td><strong>At CREATE</strong></td>
<td><strong>CA customer attempts to Future Day ship any Transborder Distribution package with a ship date less than current day in the Create. This applies to Express or Ground packages.</strong></td>
<td></td>
</tr>
<tr>
<td><strong>“The SCAC is required.”</strong></td>
<td><strong>CONFIRM</strong></td>
<td><strong>CA/MX customer passes in field tag 1274 = 82 in the Create, but does not pass in Field tag 1483, SCAC Code, before Confirm.</strong></td>
<td></td>
</tr>
<tr>
<td><strong>“Invalid country of manufacture.”</strong></td>
<td><strong>CONFIRM</strong></td>
<td><strong>CA/MX customer passes in Field tag 1274 = 82 in the Create, but does not pass in Field tag 80, Country of Manufacture, before the Confirm.</strong></td>
<td></td>
</tr>
<tr>
<td><strong>“Invalid country of manufacture.”</strong></td>
<td><strong>CONFIRM</strong></td>
<td><strong>CA/MX customer passes in Field tag 1274 = 82 in the Create and passes in an invalid value in Field tag 80, Country of Manufacturer, before the Confirm.</strong></td>
<td></td>
</tr>
<tr>
<td><strong>“Invalid country of manufacture.”</strong></td>
<td><strong>ADD a Package</strong></td>
<td><strong>CA/MX customer does not pass in Field tag 80, Country of Manufacture, when adding a Child package for Express and Ground.</strong></td>
<td></td>
</tr>
<tr>
<td><strong>“The TD shipment Commodity Description is invalid.”</strong></td>
<td><strong>CONFIRM</strong></td>
<td><strong>CA/MX customer passes in Field tag 1274 = 82 in the Create, but does not pass in Field tag 79, Commodity Description, before the Confirm.</strong></td>
<td></td>
</tr>
<tr>
<td><strong>“The TD shipment Commodity Description is invalid.”</strong></td>
<td><strong>ADD a Package</strong></td>
<td><strong>CA/MX customer does not pass in Field tag 79, Commodity Description, when adding a Child package for Express and Ground.</strong></td>
<td></td>
</tr>
<tr>
<td><strong>“Customs Values must be entered.”</strong></td>
<td><strong>At CREATE</strong></td>
<td><strong>CA/MX customer does not pass in 113, Commercial Invoice Print &amp; Upload Flag, or passes it in set to N in the Create. Next the customer adds a Child package without entering tag 119, Total Customs Value.</strong></td>
<td></td>
</tr>
<tr>
<td><strong>“Customs Values must be entered.”</strong></td>
<td><strong>At CREATE</strong></td>
<td><strong>CA/MX customer does not pass in 113, Commercial Invoice Print &amp; Upload Flag, or passes it in set to N in the Create. Next the customer adds a Child package with Field tag 119, Total Customs Value, with a 0.</strong></td>
<td></td>
</tr>
<tr>
<td>Error Description</td>
<td>At Event</td>
<td>Customer Action</td>
<td></td>
</tr>
<tr>
<td>----------------------------------------------------------------------------------</td>
<td>---------------------------------</td>
<td>---------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>First Error: &quot;The FedEx Linehaul Payment Type is required.&quot;</td>
<td>At CREATE Shipment</td>
<td>CA/MX customer passes in Field tag 1484, Linehaul Flag, in the Create with a Y, but does not pass in Field tag 1498, FedEx Linehaul Payment Type, or Field tag 1500, FedEx Linehaul Account Number, at the Create or when editing a shipment. Customer updates the transactions and adds Field 1498, but does not add Field 1500 at the Create or when editing a shipment.</td>
<td></td>
</tr>
<tr>
<td>Second Error: &quot;The FedEx Linehaul Account Number is required.&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>“The FedEx Linehaul Payment Type is invalid.”</td>
<td>At CREATE Shipment</td>
<td>CA/MX customer passes in Field tag 1484, Linehaul Flag with a Y and 1500, FedEx Linehaul Account Number, with a valid FedEx account number at the Create, but does not pass Field tag 1498, FedEx Linehaul Payment Type, at the Create or when editing a shipment.</td>
<td></td>
</tr>
<tr>
<td>“The FedEx Linehaul Payment Type is invalid.”</td>
<td>At CREATE Shipment</td>
<td>CA/MX customer passes in Field tag 1484, Linehaul Flag with a Y, 1500, FedEx Linehaul Account Number, with a valid FedEx account number and Field tag 1498, FedEx Linehaul Payment Type, set to 2 at the Create or when editing a shipment.</td>
<td></td>
</tr>
<tr>
<td>“The FedEx Linehaul Account Number is invalid.”</td>
<td>At CREATE Shipment</td>
<td>CA/MX customer passes in Field tag 1484, Linehaul Flag, with a Y, 1498, FedEx Linehaul Payment Type, set to 1 for Bill Sender or 3 for Bill Third Party in the Create, but does not pass Field tag 1500, FedEx Linehaul Account Number, in the Create, but the account is not a valid 9-digit Express account number at the Create or when editing a shipment.</td>
<td></td>
</tr>
<tr>
<td>“The FedEx Linehaul Account Number is invalid.”</td>
<td>At CREATE Shipment</td>
<td>CA/MX customer passes in Field tag 1484, Linehaul Flag, with a Y, 1498, FedEx Linehaul Payment Type, set to 1 for Bill Sender or 3 for Bill Third Party and Field tag 1500, FedEx Linehaul Account Number, in the Create, but the account is not a valid 9-digit Express account number at the Create or when editing a shipment.</td>
<td></td>
</tr>
<tr>
<td><em>Invalid service type.</em></td>
<td>ADD a Package</td>
<td>Customer is attempting to add a package for an Express package and setting Field 1274, Service Type, to one of the international service codes. International services are not allowed for Transborder Distribution packages.</td>
<td></td>
</tr>
<tr>
<td>“Alternate Return Address Company name or Contact name is required.&quot;</td>
<td>At CREATE</td>
<td>CA customer passes in Field tag 1274 = 82 in the Create without supplying the U.S. return contact or U.S. return company</td>
<td></td>
</tr>
<tr>
<td>“Alternate Return Address line 1 is required.”</td>
<td>At CREATE</td>
<td>CA customer passes in Field tag 1274 = 82 in the Create without supplying the U.S. return address 1.</td>
<td></td>
</tr>
<tr>
<td>“Alternate Return Address City is required.”</td>
<td>At CREATE</td>
<td>CA customer passes in Field tag 1274 = 82 in the Create without supplying the U.S. return city.</td>
<td></td>
</tr>
<tr>
<td>“Alternate Return Address State is required.”</td>
<td>At CREATE</td>
<td>CA customer passes in Field tag 1274 = 82 in the Create without supplying the U.S. return state.</td>
<td></td>
</tr>
<tr>
<td>“Alternate Return Address State is invalid.”</td>
<td>At CREATE</td>
<td>CA customer passes in Field tag 1274 = 82 in the Create with a U.S. return state code that is not one of the 50 U.S. state codes.</td>
<td></td>
</tr>
<tr>
<td>“An Alternate Return Address State/Postal mismatch.”</td>
<td>At CREATE</td>
<td>CA customer passes in Field tag 1274 = 82 in the Create with an invalid state/ZIP code combination.</td>
<td></td>
</tr>
<tr>
<td>“Alternate Return Address ZIP code is required.”</td>
<td>At CREATE</td>
<td>CA customer passes in Field tag 1274 = 82 in the Create without supplying the U.S. return postal code.</td>
<td></td>
</tr>
<tr>
<td>“Alternate Return Address ZIP code is invalid.”</td>
<td>At CREATE</td>
<td>CA customer passes in Field tag 1274 = 82 in the Create with a postal code that is not serviced.</td>
<td></td>
</tr>
<tr>
<td>“Alternate Return Address ZIP code is invalid.”</td>
<td>At CREATE</td>
<td>CA customer passes in Field tag 1274 = 82 in the Create with a postal code that is a post office box number.</td>
<td></td>
</tr>
<tr>
<td>Error Message</td>
<td>Event</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>-----------------------------------------------------------------------------</td>
<td>----------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>“Alternate Return Address ZIP code is invalid.”</td>
<td>At CREATE</td>
<td>CA customer passes in Field tag 1274 = 82 in the Create with a postal code that is fewer than 5 characters/digits long.</td>
<td></td>
</tr>
<tr>
<td>“Alternate Return Address Phone number is invalid.”</td>
<td>At CREATE</td>
<td>CA customer passes in Field tag 1274 = 82 in the Create without supplying the U.S. Return Address Phone Number field.</td>
<td></td>
</tr>
<tr>
<td>“Importer Name or Importer Company name is required.”</td>
<td>At CREATE</td>
<td>CA/MX customer attempts to create a Transborder Distribution shipment without supplying the importer name or importer company name.</td>
<td></td>
</tr>
<tr>
<td>“Importer address cannot be blank.”</td>
<td>At CREATE</td>
<td>CA/MX customer attempts to create a Transborder Distribution shipment without supplying the importer address 1.</td>
<td></td>
</tr>
<tr>
<td>“Importer city cannot be blank.”</td>
<td>At CREATE</td>
<td>CA/MX customer attempts to create a Transborder Distribution shipment without supplying the importer city.</td>
<td></td>
</tr>
<tr>
<td>“Invalid importer state code.”</td>
<td>At CREATE</td>
<td>CA/MX customer to create a Transborder Distribution shipment without supplying the importer state code.</td>
<td></td>
</tr>
<tr>
<td>“Importer State code does not match the state code for this ZIP code.”</td>
<td>At CREATE</td>
<td>CA/MX customer attempts to create a Transborder Distribution shipment supplying an importer state code that does not match the postal code entered.</td>
<td></td>
</tr>
<tr>
<td>“Importer ZIP code cannot be left blank.”</td>
<td>At CREATE</td>
<td>CA/MX customer attempts to add a package without supplying the recipient ZIP code/postal code.</td>
<td></td>
</tr>
<tr>
<td>“Invalid importer ZIP code.”</td>
<td>At CREATE</td>
<td>CA/MX customer attempts to create a Transborder Distribution shipment using an invalid importer ZIP code/postal code.</td>
<td></td>
</tr>
<tr>
<td>“Importer phone number cannot be left blank.”</td>
<td>At CREATE</td>
<td>CA/MX customer attempts to create a Transborder Distribution shipment without supplying the IOR ZIP code/postal code.</td>
<td></td>
</tr>
<tr>
<td>“Importer country cannot be left blank.”</td>
<td>At CREATE</td>
<td>CA/MX customer attempts to create a Transborder Distribution shipment without supplying the IOR country code.</td>
<td></td>
</tr>
<tr>
<td>“Invalid importer country.”</td>
<td>At CREATE</td>
<td>CA/MX customer attempts to create a Transborder Distribution shipment supplying an invalid IOR country code.</td>
<td></td>
</tr>
<tr>
<td>“Invalid importer IRS/EIN/VAT number.”</td>
<td>At CREATE</td>
<td>CA/MX customer attempts to create a Transborder Distribution shipment without supplying an IOR IRS/EIN/VAT number.</td>
<td></td>
</tr>
<tr>
<td>“Weight type must be LBS (pounds) or KGS (kilograms).”</td>
<td>At CREATE</td>
<td>CA/MX customer attempts to create a Transborder Distribution shipment without supplying a weight type.</td>
<td></td>
</tr>
<tr>
<td>“Currency cannot be left blank.”</td>
<td>At CREATE</td>
<td>CA/MX customer attempts to create a Transborder Distribution shipment without supplying a currency type, Field 68.</td>
<td></td>
</tr>
<tr>
<td>“Invalid currency type.”</td>
<td>At CREATE</td>
<td>CA/MX customer attempts to create a Transborder Distribution shipment using an invalid currency type, Field 68.</td>
<td></td>
</tr>
<tr>
<td>“CI flag cannot be left blank.”</td>
<td>At CREATE</td>
<td>CA/MX customer attempts to create a Transborder Distribution shipment without supplying a Field 113, CI Upload and Print Flag.</td>
<td></td>
</tr>
<tr>
<td>“Invalid CI Indicator.”</td>
<td>At CREATE</td>
<td>CA/MX customer attempts to create a Transborder Distribution shipment entering an invalid value in Field 113, CI Upload and Print Flag.</td>
<td></td>
</tr>
<tr>
<td>“This service type does not allow accessible dangerous goods.”</td>
<td>ADD a Package</td>
<td>CA customer, any origin, attempts to add a package with an Accessible Dangerous Goods (ADG) special service as part of a Transborder Distribution shipment.</td>
<td></td>
</tr>
<tr>
<td>Error Message</td>
<td>Action</td>
<td>CA/MX Customer</td>
<td></td>
</tr>
<tr>
<td>------------------------------------------------------------------------------</td>
<td>-----------------</td>
<td>-------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>&quot;This service type does not allow inaccessible dangerous goods.&quot;</td>
<td>ADD a Package</td>
<td>CA customer, origin YQG, per the existing CFS_Dat2.txt, attempts to add a package with an Inaccessible Dangerous Goods (IDG) special service as part of a Transborder Distribution shipment. Note: The origin is subject to change based on the status of the CFS table mentioned above.</td>
<td></td>
</tr>
<tr>
<td>&quot;Freight Services are not allowed for this TD shipment from this origin.&quot;</td>
<td>ADD a Package</td>
<td>CA customer, origin YHD, YQR, YQT, YRT, YWG, or YXE, per the existing CFS_Dat2.txt, attempts to add a package with service type Field 1274 set to any of the Freight - U.S. services as part of a Transborder Distribution shipment. Note: These origins are subject to change based on the status of the CFS table mentioned above.</td>
<td></td>
</tr>
<tr>
<td>&quot;Ignore fields and do not store in database.&quot;</td>
<td>ADD a Package</td>
<td>CA/MX customer attempts to add an Express package with other BSO fields set.</td>
<td></td>
</tr>
<tr>
<td>&quot;COD is not available with TD shipments.&quot;</td>
<td>ADD a Package</td>
<td>CA/MX customer attempts to add an Express package with C.O.D.</td>
<td></td>
</tr>
<tr>
<td>&quot;Emerge is not available with TD shipments.&quot;</td>
<td>ADD a Package</td>
<td>CA/MX customer attempts to add an Express package with Emerge.</td>
<td></td>
</tr>
<tr>
<td>&quot;Inside Delivery is not available with TD shipments.&quot;</td>
<td>ADD a Package</td>
<td>CA/MX customer attempts to add an Express package with inside delivery.</td>
<td></td>
</tr>
<tr>
<td>&quot;Inside Pickup is not available with TD shipments.&quot;</td>
<td>ADD a Package</td>
<td>CA/MX customer attempts to add an Express package with inside pickup.</td>
<td></td>
</tr>
<tr>
<td>&quot;Ignore fields and do not store in database.&quot;</td>
<td>ADD a Package</td>
<td>(CA only); Customer attempts to add an Express package with the Saturday Drop Off flag.</td>
<td></td>
</tr>
<tr>
<td>&quot;Signature Required is not available with TD shipments.&quot;</td>
<td>ADD a Package</td>
<td>CA/MX customer attempts to add an Express package with the Signature Required flag.</td>
<td></td>
</tr>
<tr>
<td>&quot;Signature Release is not available with TD shipments.&quot;</td>
<td>ADD a Package</td>
<td>CA/MX customer attempts to add an Express package with the Signature Release flag.</td>
<td></td>
</tr>
<tr>
<td>&quot;No Sunday delivery&quot;</td>
<td>ADD a Package</td>
<td>CA/MX customer attempts to add an Express package with the Sunday Delivery flag.</td>
<td></td>
</tr>
<tr>
<td>&quot;Priority Alert is not available with TD shipments.&quot;</td>
<td>ADD a Package</td>
<td>CA/MX customer attempts to add an Express package with the Priority Alert flag.</td>
<td></td>
</tr>
<tr>
<td>&quot;AOD is not available with TD shipments.&quot;</td>
<td>ADD a Package</td>
<td>CA/MX customer attempts to add a Ground package service type, 90 or 92, with the AOD flag.</td>
<td></td>
</tr>
<tr>
<td>&quot;COD is not available with TD shipments.&quot;</td>
<td>ADD a Package</td>
<td>CA/MX customer attempts to add a Ground Home Delivery package, service type 90, with C.O.D.</td>
<td></td>
</tr>
<tr>
<td>&quot;N/A This is acceptable for CA only.&quot;</td>
<td>ADD a Package</td>
<td>CA only: Customer attempts to add a Ground package, service type 92, with C.O.D. Note: MX does not allow Ground C.O.D.</td>
<td></td>
</tr>
<tr>
<td>&quot;ECOD is not available with TD shipments.&quot;</td>
<td>ADD a Package</td>
<td>CA/MX customer attempts to add a Ground package service type, 90 or 92, with the ECOD flag.</td>
<td></td>
</tr>
<tr>
<td>&quot;HAZMAT is not available with TD shipments.&quot;</td>
<td>ADD a Package</td>
<td>CA/MX customer attempts to add a Ground package service type, 90 or 92, with the HAZMAT flag.</td>
<td></td>
</tr>
<tr>
<td>Error Description</td>
<td>Action</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>----------------------------------------------------------------------------------</td>
<td>----------------</td>
<td>-----------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>&quot;Non Standard Container is not available with TD shipments.&quot;</td>
<td>ADD a Package</td>
<td>CA/MX customer attempts to add a Ground package service type, 90 or 92, with the Non Standard Container flag.</td>
<td></td>
</tr>
<tr>
<td>&quot;Unauthorized Packages are not available with TD shipments.&quot;</td>
<td>ADD a Package</td>
<td>CA/MX customer attempts to add a Ground package service type, 90 or 92, with the Unauthorized flag.</td>
<td></td>
</tr>
<tr>
<td>&quot;The Service does not allow multiple packages.&quot;</td>
<td>ADD a Package</td>
<td>CA/MX customer attempts to add a package including multiple occurrence fields that increment the number of packages (MPS shipping).</td>
<td></td>
</tr>
<tr>
<td>&quot;Total package count cannot exceed 999.&quot;</td>
<td>ADD a Package</td>
<td>CA/MX customer attempts to add the 1000th package to a Transborder Distribution shipment.</td>
<td></td>
</tr>
<tr>
<td>&quot;Total commodity count cannot exceed 999.&quot;</td>
<td>ADD a Package</td>
<td>CA/MX customer attempts to add the 1000th commodity to a Transborder Distribution package.</td>
<td></td>
</tr>
<tr>
<td>&quot;Name or Company name is required.&quot;</td>
<td>ADD a Package</td>
<td>CA/MX customer attempts to add a package without supplying the Recipient Contact or Recipient Company Name.</td>
<td></td>
</tr>
<tr>
<td>&quot;Recipient address cannot be blank.&quot;</td>
<td>ADD a Package</td>
<td>CA/MX customer attempts to add a package without supplying the recipient address 1.</td>
<td></td>
</tr>
<tr>
<td>&quot;Recipient city cannot be blank.&quot;</td>
<td>ADD a Package</td>
<td>CA/MX customer attempts to add a package without supplying the recipient city.</td>
<td></td>
</tr>
<tr>
<td>&quot;Invalid state code.&quot;</td>
<td>ADD a Package</td>
<td>CA/MX customer attempts to add a package without supplying the recipient state code.</td>
<td></td>
</tr>
<tr>
<td>&quot;State code does not match the state code for this ZIP code.&quot;</td>
<td>ADD a Package</td>
<td>CA/MX customer attempts to add a package using a recipient state code that does not match the ZIP code entered.</td>
<td></td>
</tr>
<tr>
<td>&quot;Recipient ZIP code cannot be left blank.&quot;</td>
<td>ADD a Package</td>
<td>CA/MX customer attempts to add a package without supplying the recipient ZIP code/postal code.</td>
<td></td>
</tr>
<tr>
<td>&quot;Invalid ZIP code.&quot;</td>
<td>ADD a Package</td>
<td>CA/MX customer attempts to add a package using an invalid recipient ZIP code/postal code.</td>
<td></td>
</tr>
<tr>
<td>&quot;Recipient phone number cannot be left blank.&quot;</td>
<td>ADD a Package</td>
<td>CA/MX customer attempts to add a package without supplying the recipient ZIP code/postal code.</td>
<td></td>
</tr>
<tr>
<td>&quot;Invalid recipient country.&quot;</td>
<td>ADD a Package</td>
<td>CA/MX customer attempts to add a package without supplying the recipient country code.</td>
<td></td>
</tr>
<tr>
<td>&quot;Invalid recipient country.&quot;</td>
<td>ADD a Package</td>
<td>CA/MX customer attempts to add a package using an invalid recipient country code.</td>
<td></td>
</tr>
<tr>
<td>&quot;Laser labels are not allowed with service combination.&quot;</td>
<td>ADD a Package</td>
<td>A CA/MX shipper cannot add a package including Field 1282 (Printer Type Indicator) set to L in the transaction with the Laser Printer ID field configured on the Label Settings tab in the FedEx Configuration Utility.</td>
<td></td>
</tr>
<tr>
<td>&quot;Laser labels are not allowed with service combination.&quot;</td>
<td>ADD a Package</td>
<td>A CA/MX customer cannot add a package including Field 1282 (Printer Type Indicator) set to L and Field 544 (Laser Printer ID) present in the transaction. The transaction will override the Laser Printer ID setting on the Label Settings tab if a value exists.</td>
<td></td>
</tr>
<tr>
<td>2319 &quot;The FedEx Trade Networks Broker duties/taxes/fees ZIP/postal code is required.&quot;</td>
<td>CREATE</td>
<td>No postal code provided when using FedEx Trade Networks and postal code is missing in field 1539.</td>
<td></td>
</tr>
<tr>
<td>2322 &quot;The FedEx Trade Networks Broker duties/taxes/fees ZIP/postal code is not valid.&quot;</td>
<td>CREATE</td>
<td>Invalid postal code provided for third party DTF in field 1539.</td>
<td></td>
</tr>
<tr>
<td>Code</td>
<td>Message</td>
<td>Action</td>
<td>Details</td>
</tr>
<tr>
<td>------</td>
<td>-------------------------------------------------------------------------</td>
<td>----------</td>
<td>------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>2523</td>
<td>“Cannot Delete a Confirmed TD Shipment - Contact 1-800-GO-FedEx for assistance.”</td>
<td>DELETE</td>
<td>CA to U.S. customer is attempting to delete a confirmed CA Transborder Distribution shipment via the 023 Global Delete transaction.</td>
</tr>
<tr>
<td>2390</td>
<td>“The selected service is not available for TD shipments.”</td>
<td>ADD a Package</td>
<td>CA Transborder Distribution customer has the FTBD/NATB flag set to Y in the cust.tbl file. The PO service availability flag is set to N, which means the PO service is off.</td>
</tr>
<tr>
<td>2526</td>
<td>“The Port of Arrival field 1666 is required when printing a PAPS Manifest.”</td>
<td>CONFIRM</td>
<td>CA Transborder Distribution customer has the PAPS Manifest set up in the Configuration Utility. The customer attempts to ship a Transborder Distribution shipment without passing in the Port Of Arrival tag # 1666. This is required when the customer is printing a PAPS Manifest in CA.</td>
</tr>
</tbody>
</table>
CHAPTER 12: CODING TRANSACTIONS FOR FEDEX INTERNATIONAL PRIORITY DIRECTDISTRIBUTION

FedEx International Priority DirectDistribution® is a service that helps you manage multiple-package shipments from a single origin location to multiple addresses in one destination country. FedEx clears your shipment through Customs as a single consolidated shipment and after Customs clearance, delivers to individual recipients within the country.

This chapter introduces FedEx International Priority DirectDistribution (IPD), FedEx International Economy DirectDistribution℠ Services (IED) and FedEx International Priority DirectDistribution® Freight (IDF) and provides instructions for configuring these services on your system. You’ll also find information about FSMS transaction workflow and rules, and how to code Open Ship transactions for IPD/ED/IDF shipments. Use the transaction samples at the end of the chapter as example templates for integrating FSMS transactions within your applications.

This chapter includes these sections:

• About FedEx International Priority DirectDistribution (IPD/IED/IDF)
• Configuring IPD/IED/IDF
• About FedEx IPD/IED/IDF Transactions
• IPD/IED/IDF Transaction Fields
• Shipping Service Options for IPD/IED/IDF
• IPD/IED/IDF Transaction Workflow
• FedEx IPD/IDF 020/120 Global Shipping Transaction Scenarios
• Creating a IPD/IDF/IED Shipment Transaction
• Specifying IPD/IDF/IED Shipment Service Type
• FedEx Customer Reference Number (CRN) Report
• IPD/IED/IDF Transaction Samples
About FedEx International Priority DirectDistribution (IPD/IED/IDF)

FedEx International Priority DirectDistribution (IPD/IED/IDF) is a service that allows you to send a multiple-package shipment from a single origin location to multiple recipients in one destination country using one FedEx® International Air Waybill. After customs clearance, the shipment is broken down into individual packages and delivered to the final recipients within the same destination country.

The service acronyms are:
- IPD—FedEx International Priority DirectDistribution
- IED—FedEx International Economy DirectDistribution Service
- IDF—FedEx International Priority DirectDistribution Freight

Single Shipment Through Customs

IPD/IED/IDF shipments move and clear destination Customs as a single shipment. The entire shipment is consigned to (and entry is made) in the name of only one importer of record. The shipment must also come from a single exporter of record. Individual pieces within the shipment are delivered to the recipient indicated on each FedEx Express Shipping or Express Manifest label. FedEx International Priority Freight (IPF) standards and restrictions for size, weight, and commodity types apply to individual packages in an IPD shipment.

Single Point of Clearance

IPD/IED/IDF service also allows single point of clearance (SPOC), which permits you to send an IPD/IED/IDF shipment that includes packages to multiple countries in the European Union. These packages are cleared at a single Customs point; after clearance, the shipment is broken up for delivery to multiple countries.

Note: Single point of clearance (SPOC) is currently available to the European Union (EU) only.

If you require FedEx International Priority DirectDistribution, FedEx International Economy DirectDistribution Service or FedEx International Priority DirectDistribution Freight service configuration, you must call your FedEx account executive. These are contract services which must be configured by a FedEx Customer Support representative.

Multiple-Piece Freight Shipments

In addition to providing IPD service, FedEx Ship Manager® Server (FSMS) allows you to ship multiple-piece freight shipments (exceeding 150 pounds/68 kilograms) using FedEx International Priority DirectDistribution Freight (IDF). All pieces must be skidded to ship IDF. In addition, countries shipping to the European Union may also use SPOC functionality with the IDF service.

Note: You must have an IPD service contract on file with FedEx before you can use FedEx Ship Manager Server to process your IPD/IED/IDF shipments. For more information, contact your FedEx account executives.

IPD/IED/IDF Package and Shipment Restrictions

The following is a list of Customer Reference Number (CRN) (aka packages) restrictions that apply to creating IPD/IED/IDF transactions:

• You may list only one recipient on each CRN. A single recipient may have more than one package; however a single package may not have more than one recipient.

• Restrictions for individual package size, weight and commodity type are the same as those for International Priority shipments. See “IPD/IED/IDF Package Size and Weight Restrictions” in this chapter for details.

• You can process several IPD/IED/IDF shipments simultaneously providing that the meter number, ship date and clearance facility/destination country do not match.

• You must not add more than 9,998 CRNs on a single master air waybill.

• Dimensional weight does not apply to an individual CRN in the shipment. It applies to the entire shipment.

IPD/IED/IDF Package Size and Weight Restrictions

Familiarize yourself with IPD/IED/IDF package restrictions before you process your shipment. These restrictions are built into the FedEx Ship Manager transaction logic and produce errors when not followed.

• Restrictions for individual package size, weight and commodity type are the same as those for International Priority Freight shipments.

• Dimensional weight does not apply to an individual CRN in the shipment. It applies to the entire shipment.

• You are not limited to a shipment weight for an IPD/IED/IDF shipment. However, you cannot ship an individual piece for an IDF shipment that is less than 68 kilograms/151 pounds.

Getting Started with IPD/IED/IDF

Before you can create transactions for IPD/IED/IDF services, you must work with your FedEx account representative to configure the services in the FSMS Configuration Utility.

See “Configuring IPD/IED/IDF” in this chapter for information about how to configure your FSMS system for IPD/IED/IDF services.
Configuring IPD/IED/IDF

You use the FSMS Configuration Utility to configure the FSMS application for IPD/IED/IDF services. You need Field Level access privileges to configure IPD/IED/IDF settings.

If you have already contracted for any of the contract-only services, you can perform the IPD/IED/IDF configuration tasks.

To open the FSMS Configuration Utility and set access privileges
1. Double-click the FedEx Ship Manager Server folder on your desktop to display the FSMS shortcuts.
2. Double-click the FSMS Configuration icon.

3. If you need to change the access level, click Access Privileges. The Access Privileges dialog box appears.

4. Enter your password.
   - For User Level access, leave the Password field blank.
   - For User Level View access, type View as the password. (Be sure to type a capital “V”. The password field is case-sensitive.)
   - For Field Level access, type the password provided by your FedEx account executive.
5. Click OK to continue.
If you have contracted for IPD/IED/IDF services, your FSMS Configuration Utility includes the IPD / IED / IDF Settings tab.

**IPD/IDF Settings Tab and Importer of Record (IOR)**

The IPD/IDF Settings tab displays important configuration information for your shipping application. The following table describes each field.

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Field Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IPD Check Box</td>
<td>This box is checked during configuration if you have contracted to ship using the IPD service.</td>
</tr>
<tr>
<td>IED Check Box</td>
<td>This box is checked during configuration if you have contracted to ship using the IED service.</td>
</tr>
<tr>
<td>IDF Check Box</td>
<td>This box is checked during configuration if you have contracted to ship using the IDF service.</td>
</tr>
<tr>
<td>FedEx Non Rev Account</td>
<td>A FedEx Non Revenue Account Number is entered during configuration to support the delivery of the IPD/IDF Overnight Letter functionality. Your FedEx account representative must supply this number. This is the non-rev account number of the origin FedEx station. The IPD/IDF Overnight Letter functionality provides a label for a FedEx Envelope pouch. When an IPD/IDF shipment is completed, The Master AWB labels and all of the Customs documentation for the shipment are placed in the FedEx Envelope. The IPD/IDF OL label is fixed to the outside of the Envelope and the Envelope is given to the FedEx Courier to be picked up at the same time that FedEx picks up the IPD/IDF shipment. The Overnight Letter option ensures that Customs receives the necessary clearance information before the IPD/IDF shipment arrives at the clearance point.</td>
</tr>
</tbody>
</table>
The Importer of Record table is controlled by the buttons at the bottom of the table. The buttons enable you to:

- **View** a selected IOR record
- **Add** a new IOR record
- **Modify** an existing record
- **Delete** an Importer of Record

**To add a new IOR record**

1. Click **Add** to open the **Add IPD Importer of Record** dialog box.
2. Provide the information about this importer.
3. When you are finished, click **Add**.

### Import Clearance Facilities

When an Importer of Record is added for IPD/IDF shipping, a list of FedEx Clearance Facilities appears. The correct Clearance Facility code must be entered for each destination to which you ship IPD/IDF shipments.

The **Import Clearance Facilities** button allows the loading of additional facilities by diskette in the event that a clearance facility does not appear on the list.

**To manually add an Import Clearance Facility:**

1. Open the **IPD / IED / IDF Settings** tab.
2. Click **Import Clearance Facilities**. A file selection dialog box opens.
3. Browse to the location where you placed the FedEx Clearance Facility file.
4. Select the file and then select **Open**.
IPD/IDF Report Configuration

The Report Settings tab of the FSMS Configuration Utility is described in your FedEx Ship Manager Server Installation and Configuration Guide. However, there are specific configuration settings that pertain to IPD/IDF reporting:

When selecting an output type for reports, the TXT format is not recommended for IPD/IDF reports. If you have selected TXT as your default output format during installation, please contact your FedEx Customer Support Representative to change your configuration.

You may configure IPD/IDF reports to be sent to either a printer or to an output file.

To access IPD/IED/IDF reports

1. In the FedEx Configuration Utility, click the Report Settings tab.
2. In the Reports tree, expand the IPD and IDF levels to see the reports available.

List of IPD/IDF Reports

The following IPD/IDF Reports are provided in FSMS:

- **IPD Reports:**
  - IPD Consolidated Commercial Invoice
  - IPD CRN Report
  - IPD Customs Packing List
  - IPD Visa Manifest

- **IDF Reports:**
  - IDF Consolidated Commercial Invoice
  - IDF CRN Report
  - IDF Customs Packing List
  - IDF Visa Manifest

- **IED Reports:**
  - IED Consolidated Commercial Invoice
  - IED CRN Report
  - IED Customs Packing List
  - IED Visa Manifest
About FedEx IPD/IED/IDF Transactions

This section provides a brief description of the FedEx Ship Manager Server transactions used to create IPD, IED and IDF shipments. In addition to information about the IPD/IED/IDF 020 Global Ship Request transaction, this section also provides some basic shipping rules and sample transactions to help you code the IPD, IED, and IDF services to your shipping specifications.

Notes: Commodity information incorporates the multiple occurrence fields. This functionality allows you to enter up to 9,998 commodities for the commercial invoice or air waybill.

More information about the 020 shipping transaction set (including Open Ship) and multiple occurrence handling is provided in this guide and in the FedEx Ship Manager Server Transaction Coding Reference guide.

Transaction Rules and Restrictions

Before you begin coding IPD/IED/IDF shipping transactions, it is recommended that you become familiar with some basic IPD/IED/IDF shipping rules.

This information helps you create error-free transactions and provides basic understanding of how FedEx Ship Manager Server handles shipping requests.

Shipping Methods

- Use the Open Ship shipping method to create, process and complete IPD/IED/IDF shipments. IPD/IED/IDF supports multiple-package shipments from one origin location to multiple recipients in one destination country using a single FedEx International Air Waybill.

Shipper and Recipient

- When entering Shipper and Recipient information in transaction fields, keep in mind the following rules for shipping to geographical regions:
  - Because all customer Reference numbers (CRN) are on a single master air waybill, you are allowed to ship to a single recipient address for IPD and IDF. You must provide at least two addresses for IED shipments.
  - You can ship IPD/IED/IDF shipments to a single point of clearance (SPOC) in the European Union (EU). These packages are cleared at a single Customs point; after clearance, the shipment is broken up for delivery to multiple countries.
  - IPD/IDF/IED service to the United States covers only the 50 states; shipments to U.S. territories such as Guam and U.S. Virgin Islands must be shipped using regular FedEx International Priority® service. Shipments to Puerto Rico can not be combined with packages that have destinations within the 50 United States.

Customs and Shipping Documents

- You are required to file an Electronic Export Information (EEI) for all U.S. export shipments if commodity Schedule B number totals are more than $2500 USD in the entire shipment on any given day. The Electronic Export Information (EEI) is the equivalent electronic version of the Shipper’s Export Declaration (SED).
- If you are the shipper, you must provide the required AES (Automated Export System) information required for the Electronic Export Information (EEI) regardless of whether FedEx files the EEI or the customer files their own EEI. Include field 1349 (AES Filing Status) and 1399 (AES Entry Number) in a 020 Global Ship Request transaction.

Exporter and Importer of Record

- You must identify a single exporter of record in the origin country. If FedEx is filing the Electronic Export Information (EEI), you must include field 183 (Sender Phone Number). You must also include field 1139 (Sender IRS/EIN Number) if no exporter Employer Identification Number (EIN) or Internal Revenue Service (IRS) number is provided.
• Identify only one importer of record (IOR) in the destination country for the entire shipment. An IOR is listed as the "Sold To" party for the consignment and is not required to be the actual recipient. Enter the IOR contact in field 170 (Importer of Record Contact Name).

**Customer Reference Number (CRN) - aka Packages**

• You may list only one recipient on each CRN. A single recipient may have more than one package; however a single package may not have more than one recipient.

• Restrictions for individual package size, weight and commodity type are the same as those for International Priority Freight shipments. See “IPD/IED/IDF Package Size and Weight Restrictions” for details.

• You can process several IPD/IED/IDF shipments simultaneously providing that the meter number, ship date and clearance facility/destination country do not match.

• You must not add more than 9,998 CRN on a single master air waybill.

• Dimensional weight does not apply to individual CRN in the shipment. It applies to the entire shipment.

**Weight Limits**

• You are not limited to a shipment weight for an IPD/IED/IDF shipment. However, you cannot ship an individual piece for an IDF shipment that is less than 68 kilograms/151 pounds.

**Labels**

• You must print at least one FedEx Express label for each recipient delivery.

**Payment**

• Do not include Collect on Delivery fields. C.O.D. is not available.

• When selecting Payment Type in field 23, only 1—Bill sender and 3—Bill third party are allowed for transportation charges and for duties and taxes.
IPD/IED/IDF Transaction Fields

You can create an IPD/IED/IDF shipment and enter the data required for a master FedEx International Air Waybill (MAWB) in a 020 Global Ship Request transaction.

Table 12-1 and Table 12-2 describes fields for FedEx IPD/IED/IDF service transactions. Also see the International Priority DirectDistribution, International Economy DirectDistribution, and International Priority DirectDistribution Freight table in the FedEx Ship Manager Server Transaction Coding Reference.

IPD/IED/IDF International Air Waybill Fields

The MAWB also contains the following fields, which are calculated or derived when you CONFIRM a shipment; no entry is allowed for these fields in the CREATE MAWB transaction. See “Master Air Waybill” in this chapter for field details.

Table 12-1 Fields with No Entry Values in CREATE MAWB

<table>
<thead>
<tr>
<th>Transaction</th>
<th>Available Fields</th>
<th>Valid Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Create Shipment and MAWB Transaction – No Entry Fields</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1670</td>
<td>Package Weight</td>
<td>Enter the weight of the package (or shipment) being shipped.</td>
</tr>
<tr>
<td>26</td>
<td>Declared Value/Carriage Value</td>
<td>Enter the declared or carriage value of the shipment.</td>
</tr>
</tbody>
</table>
| 116                  | Package Total               | Total number of packages in a shipment, including the master package. For multiple-piece shipments, the software performs the package count sum-
                           | mation based on the number of occurrences of field 1670-# (Package Weight / Shipment Weight) and overrides any input value.              |
| 119                  | Total Commodity Customs Value| Enter the total dutiable value of the shipment; overrides the derived value from the sum of Quantity x Unit Value (field 82 x field 1030), when field 113 (Commercial Invoice Print and Upload Flag) is set to Y. Required when field 113 is set to N. An entry in field 119 (Total Commodity Customs Value) will override the derived value. If field 113 is set to Y, field 2404 (Shipment Documentation Flag) position 1 (Commercial Invoice) should also be set to Y to generate a commercial invoice (default). |
The following fields in Table 12-2 are optional fields. Include these fields if they are appropriate for your shipping context.

**Table 12-2** Optional Fields for CREATE IPD/IED/IDF Shipment and MAWB Transaction

<table>
<thead>
<tr>
<th>Transaction</th>
<th>Available Fields</th>
<th>Valid Values</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Create Shipment and MAWB Transaction</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1271</td>
<td>Shipper’s Load And Count (SLAC)/Number of Pallets</td>
<td>Optional. Total number of packages within all freight pallets for FedEx Express Freight - International services. For bill of lading (BOL), number of pallets.</td>
</tr>
<tr>
<td>1330</td>
<td>Purchase Order Number</td>
<td>Optional. Customer-assigned Purchase Order Number that applies to a FedEx International Priority DirectDistribution (IPD) shipment.</td>
</tr>
<tr>
<td>1550</td>
<td>Piece Count Verification (PCV) Flag</td>
<td>Optional. When used in the Open Ship CREATE transaction, applies to the first customer reference number (CRN) and not the entire IDF shipment.</td>
</tr>
<tr>
<td>1586</td>
<td>Print Alternate Return Address Flag</td>
<td><strong>Field Level</strong>: Package Optional. Set to Y if print alternate return address is required on all Customer Reference Number (CRN) labels. Overrides the sender address on the shipping label as the return address. Valid values are: Y—Print alternate return address on label N or not present—Do not print alternate return address (default)</td>
</tr>
<tr>
<td>1592</td>
<td>Shipment Level Indicator</td>
<td>Optional. Set to Y if: • Overwrite Total Customs Value is required during CONFIRM shipment • Print Summary Commodity Description on Master Air Waybill (MAWB) label is required during CONFIRM shipment</td>
</tr>
</tbody>
</table>
### International Economy DirectDistribution Service Fields

Using FedEx Ship Manager Server, you can create a FedEx International Economy (IED) shipment and request rate and routing information.

Table 12-3 describes the allowed fields for the different types of FedEx International Economy service transactions.

**Table 12-3** International Economy DirectDistribution Service Transactions

<table>
<thead>
<tr>
<th>Transaction</th>
<th>Available Fields</th>
<th>Valid Values</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>020/120 Global Ship Request/Reply</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Shipping Transaction</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1274 Service Type</td>
<td></td>
<td>03—International Economy</td>
</tr>
<tr>
<td>1273 Packaging Type</td>
<td></td>
<td>01—Customer packaging 02—FedEx Pak 03—FedEx Box 04—FedEx Tube 06—FedEx Envelope</td>
</tr>
<tr>
<td><strong>Rating Transaction</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1274 Service Type</td>
<td></td>
<td>03—International Economy</td>
</tr>
<tr>
<td>1273 Packaging Type</td>
<td></td>
<td>01—Customer packaging 02—FedEx Pak 03—FedEx Box 04—FedEx Tube 06—FedEx Envelope</td>
</tr>
<tr>
<td>1234 Rate/Route/Time-in-Transit Flag</td>
<td></td>
<td>1—Rate quote 3—Rate quote and Route/Time-in-Transit</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>541 Open Ship Flags</td>
<td></td>
<td>Position 3 (Rate) set to Y NNYNNN NNNN</td>
</tr>
<tr>
<td><strong>Routing Transaction</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1274 Service Type</td>
<td></td>
<td>03—International Economy</td>
</tr>
<tr>
<td>1273 Packaging Type</td>
<td></td>
<td>01—Customer packaging 02—FedEx Pak 03—FedEx Box 04—FedEx Tube 06—FedEx Envelope</td>
</tr>
<tr>
<td>1234 Rate/Route/Time-in-Transit Flag</td>
<td></td>
<td>2—Route/Time in Transit 3—Rate quote and Route/Time-in-Transit</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>541 Open Ship Flags</td>
<td></td>
<td>Position 2 (Route and Time-in-Transit) set to Y NYYNNN NNNN</td>
</tr>
</tbody>
</table>
Multiple-piece freight shipments (exceeding 150 LBS / 68 KGS) use FedEx International Priority DirectDistribution Freight (IDF). All pieces must be skidded to ship IDF. In addition, countries shipping to the European Union may also use SPOC functionality with the IDF service.

Each individual piece for an IDF shipment must have a minimum weight of 151 LBS / 68 KGS. Total shipment weight for an IPD/IDF/IED shipment is unlimited.

You are not limited to a specific shipment weight for an IPD/IED/IDF shipment. However, you cannot ship an individual piece for an IDF shipment that is less than 68 kilograms/151 pounds.

Do not include dry ice fields in IDF shipment transactions. Dry ice is not allowed.

**Appointment Delivery and Piece Count Verification**

If you are processing an IDF shipment, you may include Appointment Delivery (APD) and Piece Count Verification services in field 1687 (IDF Flag) for eligible destinations.

The delivery commitment date/time for IDF packages within a shipment is different from that for the other packages in the shipment.
Shipping Service Options for IPD/IED/IDF

The FedEx special services listed in this section are available for International Priority DirectDistribution, International Economy DirectDistribution and International Priority DirectDistribution Freight.

**Hold at Location**

You can pass field 1200 (Hold at Location Flag) for the Hold at Location (HAL) service option set to Y if you are shipping a FedEx International Priority DirectDistribution shipment. Hold at Location is not available for either International Economy DirectDistribution or International Priority DirectDistribution Freight.

**Dry Ice**

Include fields 1268 (Dry Ice Flag) and 1684 (Dry Ice Weight) in an IPD or IED shipment transaction when used to ship dry ice for loose pieces weighing less than 68 kilograms /151 pounds.

Do not include dry ice fields in IDF shipment transactions. Dry ice is not allowed.

**Dangerous Goods**

Include field 1331 (Dangerous Goods/HazMat Flag) set to I—Inaccessible DG if you are shipping inaccessible dangerous goods or perishables. No other types of dangerous goods are allowed.

**Saturday Delivery and Pickup**

Check whether Saturday is a regular business day in the shipping country (for pickup) and in the recipient country (for delivery) before coding for these services. If Saturday delivery is available, include field 1266 (Saturday Delivery Flag). If Saturday pickup is available, include field 1267 (Saturday Pickup Flag). Also include fields for surcharges.

**Concurrent Shipments and Future Day Processing**

FedEx Ship Manager Server allows you to create a current day’s IPD/IDF/IED shipment (by default) or a Future Day IPD/IDF/IED shipment to be shipped up to 10 days in advance from the current day.

Only one IPD/IDF/IED or single-point-of-clearance (SPOC) shipment can be processed at one time if the following data matches:

- Meter number
- Ship date
- Clearance facility and destination country of master air waybill

Otherwise, multiple IPD/IDF/IED or single point of clearance (SPOC) shipments can be processed simultaneously as FedEx Ship Manager Server is able to match each customer reference number (CRN) to its respective master air waybill (MAWB).

Any International Priority shipment can also be processed while an IPD/IDF/IED shipment is still open.
Saturday Pickup for FedEx International Priority DirectDistribution

Saturday Pickup is available for FedEx International Priority DirectDistribution, including IPD single point of clearance (SPOC) which permits a shipper to send an FedEx International Priority DirectDistribution shipment that includes packages to multiple countries in the European Union and clear them at a single Customs point.

Note: Saturday Pickup service is not available for FedEx International Priority DirectDistribution packages weighing over 150 LBS / 68 KGS. FedEx International Priority DirectDistribution Freight Saturday pickup is not available.

Table 12-4 describes field 1267 (Saturday Pickup Flag) required to request the service.

Table 12-4 Saturday Pickup Flag Field

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1267</td>
<td>Max=1</td>
<td>A</td>
<td>I/O</td>
<td>FDXE</td>
<td>REQUIRED*. Specify Y if the shipment is to be picked up on a Saturday. *Required for Saturday pickup service. Valid values: Y—Saturday Pickup N—No Saturday Pickup Available for IPD and IPD SPOC. Not valid for FedEx Express Freight. For this shipment, use any method.</td>
</tr>
</tbody>
</table>

Saturday Delivery for FedEx International Priority DirectDistribution and Freight

Saturday Delivery is available for both FedEx International Priority DirectDistribution (IPD) and FedEx International Priority DirectDistribution Freight (IDF).

Saturday delivery service is not available for FedEx International Priority DirectDistribution packages weighing over 150 LBS / 68 KGS. Packages weighing over 150 LBS must be shipped as FedEx International Priority DirectDistribution Freight. Table 12-5 describes field 1266 (Saturday Delivery Flag) which must be passed in a 020 Global Ship Request transaction to request the service.
Table 12-5 Saturday Delivery Flag Field

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Services</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1266</td>
<td>Max=1</td>
<td>A</td>
<td>I/O</td>
<td>FDXE</td>
<td>REQUIRED*. Specify Y if the shipment is to be delivered on a Saturday. *Required for Saturday delivery service. Valid values: Y—Saturday Delivery N—No Saturday Delivery Available for IPD, IPD SPOC, IDF and IDF SPOC. Note: Saturday Delivery FedEx Express Freight shipments are only allowed within the U.S. or U.S. inbound. For this shipment, use any method.</td>
</tr>
</tbody>
</table>

**FedEx International Priority DirectDistribution and FedEx International Priority DirectDistribution Freight Shipping Options**

You can include the following shipping options for International Priority Direct Distribution and International Direct Distribution Freight in a FedEx Ship Manager Server (FSMS) 020 Global Ship Request transaction. The following features are available to all origin/destination countries where there are valid service offerings:

- Multiple Customer Reference Number (CRN) processing capability
- CRN-level country weight restriction check
- Rate weight based on shipment weight at ship time. Rounding up of weight on FedEx International Priority DirectDistribution /FedEx International Priority DirectDistribution Freight packages no longer occurs.
- Expansion of Tax ID and addition of French VAT# to Customs Packing List

FedEx International Priority DirectDistribution and FedEx International Priority DirectDistribution Freight are contracted services which require the assistance of a FedEx account executive and configuration of these services for your FSMS system.
IPD/IED/IDF Transaction WorkFlow

Before you begin to code IPD/IDF/IED transactions, it is helpful to understand the transaction flow and how the transaction should be formatted. Figure 12-1 displays a basic work flow for an IPD/IDF/IED transaction.

Figure 12-1 Open Ship Process Workflow

1. CREATE MAWB
   - 020 Global Ship Request
   - Open Ship Flag
   - 541,"YNNNNNNNN"

2. ADD CRN (1st Package)
   - 020 Global Ship Request
   - Open Ship Flag
   - 541,"NNNYNNNNN"
   - Print CRN Label
   - Print-As-You-Go

3. ADD CRN (2nd Package)
   - 020 Global Ship Request
   - Open Ship Flag
   - 541,"NNNYNNNNN"
   - Print CRN Label
   - Print-As-You-Go

4. ADD CRN (Nth Package)
   - 020 Global Ship Request
   - Open Ship Flag
   - 541,"NNNYNNNNN"
   - Print CRN Label
   - Print-As-You-Go

5. CONFIRM Shipment
   - 020 Global Ship Request
   - Open Ship Flag
   - 541,"NNNNNNNNY"
   - Print MAWB Label
   - Print OL Label
   - Print-At-The-End
   - Print IPD/IDF Reports
FedEx Ship Manager Server interprets the type of transaction from field 541 (Open Ship Flags) of the 020 Global Ship Request transaction. By setting these flags, you instruct FedEx Ship Manager Server to perform a function at either the shipment level or the piece/package level:

<table>
<thead>
<tr>
<th>Shipment Level Function</th>
<th>Flag</th>
<th>Piece Level Function</th>
<th>Flag</th>
</tr>
</thead>
<tbody>
<tr>
<td>CREATE Shipment</td>
<td>1st</td>
<td>ADD a CRN (package)</td>
<td>4th</td>
</tr>
<tr>
<td>DELETE Shipment</td>
<td>8th</td>
<td>DELETE a CRN (package)</td>
<td>7th</td>
</tr>
<tr>
<td>CONFIRM Shipment</td>
<td>9th</td>
<td>EDIT a CRN (package)</td>
<td>5th</td>
</tr>
<tr>
<td>EDIT Shipment</td>
<td>6th</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The following table describes each of the numbered items in the IPD/IDF/IED workflow illustration in Figure 12-1 above.

<table>
<thead>
<tr>
<th>Workflow Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CREATE MAWB</td>
<td>When you create an IPD/IDF/IED shipment, you begin with the first 020 Global Ship Request transaction to CREATE the master FedEx International Air Waybill (MAWB) for the selected clearance facility and destination. A MAWB tracking number is assigned by FedEx Ship Manager Server. Note: No labels are printed during the “CREATE MAWB” transaction. An 020 transaction with the 1st flag of field 541 (Open Ship Flags) set to Y is identified as a “CREATE MAWB” transaction. This portion of the transaction is formatted as: 541,”YNNNNNNNN”</td>
</tr>
<tr>
<td>- ADD CRN (not to exceed 9,998 CRNs per shipment)</td>
<td>IPD/IDF/IED packages are processed individually by sending an “ADD CRN” 020 transaction. A shipping label, known as a CRN label, with a unique CRN tracking number, prints for each package (or CRN transaction) processed. An 020 transaction with the 4th flag of field 541 (Open Ship Flags) set to Y is identified as an “ADD CRN” transaction: 541,”NNNYNNNNNN”</td>
</tr>
<tr>
<td>CONFIRM Shipment</td>
<td>An IPD/IDF/IED shipment must have at least two CRN packages processed before a “CONFIRM Shipment” 020 transaction can be accepted to close the shipment. Note: The same recipient address for the CRN packages is allowed for IPD/IDF. However, IED requires at least two different recipient addresses for the CRN packages. The MAWB labels, OL AWB labels, IPD Consolidated Commercial Invoice, Packing List, and CRN Report are printed on the designated report printers during the CONFIRM process. An 020 transaction with the 9th flag of field 541 (Open Ship Flags) is set to Y as a “CONFIRM Shipment” transaction: 541,”NNNNNNNY”</td>
</tr>
</tbody>
</table>

About Deleting an MAWB or CRN

Delete MAWB and Delete CRN do not work with an 023 Global Delete Request transaction. For IPD/IDF/IED shipments, you must use an 020 Global Ship Request transaction with the required flag set in field 541 (8th position set to Y for DELETE shipment and 7th position set to Y for DELETE CRN).
Transaction Shipping Methods for IPD/IED/IDF

FedEx International Priority DirectDistribution, FedEx International Priority DirectDistribution Freight and FedEx International Economy DirectDistribution shipments contain multiple packages that are grouped in one shipment. Multiple-package shipments may be processed using the Open Ship or Single Shot multiple-piece transaction methods.

Open Ship

Open Ship is a highly flexible shipping option unique to FedEx Ship Manager Server that allows you to enter information for an IPD/IDF/IED shipment as it is received throughout the day, rather than entering all of the shipping information only when the shipment is ready to be processed. The shipment remains “open,” accepting each piece as it is entered, and is “closed” only when you confirm the shipment.

When processing an Open Ship shipment, use the Open Ship 020/120 Global Ship Request/Reply transaction with field 1274 (Service Type) set to one of these values:

- 18 — FedEx International Priority DirectDistribution (IPD)
- 17 — FedEx International Economy DirectDistribution Service (IED)
- 84 — FedEx International Priority DirectDistribution Freight (IDF)

Note: IPD/IED/IDF shipments from World (except U.S.) to Puerto Rico must use the Open Ship 020/120 Global Ship Request/Reply transaction. See Chapter 4: FedEx Ship Manager Server Open Ship Transactions for more information.

Single Shot Open Ship

FedEx International Priority DirectDistribution and FedEx International Priority DirectDistribution Freight shippers can create a single transaction to ship multiple packages to the same recipient. This transaction method is referred to as a Single Shot transaction. Single shot transactions require that the shipper know ahead of time exactly how many pieces they will include in the shipment.

For examples of transaction workflow scenarios, see “FedEx IPD/IDF 020/120 Global Shipping Transaction Scenarios” in this chapter.

IPD/IDF Single Shot MPS Open Ship Shipments


The function of the new field 4574 (IPD/IDF MPS Commodity Set Indicator) is to allow the same commodities for all tracking numbers within a FedEx International Priority DirectDistribution /FedEx International Priority DirectDistribution Freight Single Shot transaction, or to allow different commodities for each tracking number within the transaction. See Table 12-6 for a detailed description of field 4574.

Any existing supported special services for FedEx International Priority DirectDistribution or FedEx International Priority DirectDistribution Freight will be applicable to the entire FedEx International Priority DirectDistribution Freight Single Shot MPS transaction.
### Table 12-6 IPD/IDF MPS Commodity Set Indicator Field

#### Transactions: 020 Global Ship Request – IPD/IDF/IED Single Shot MPS

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4574</td>
<td>Min=1 Max=1</td>
<td>A/N</td>
<td>I</td>
<td>FDXE</td>
<td><strong>Field Level:</strong> Shipment&lt;br&gt;Optional.&lt;br&gt;Identifies how commodity data is to be distributed across pieces in the transaction. For IPD/IDF/IED single shot multiple-piece shipments only.&lt;br&gt;Each tracking number/piece within the MPS shipment can have the same commodity data per piece or different commodity data per piece.&lt;br&gt;Valid values are:&lt;br&gt;1—Same Commodity Set Data&lt;br&gt;2—Different Commodity Set Data&lt;br&gt;Select 1 if the set of commodities is the same for all pieces in an IPD/IDF Single Shot MPS shipment.&lt;br&gt;Select 2 if the set of commodities is different for each piece in the IPD/IDF Single Shot MPS shipment.&lt;br&gt;Default is 1 when the field is not present, or present but not populated, or is blank or null.</td>
</tr>
</tbody>
</table>
Nested Occurrence Fields for IPD/IDF Transactions

The nested occurrence field format X#-# applies ONLY to FedEx International Priority DirectDistribution /FedEx International Priority DirectDistribution Freight MPS Single Shot transactions.

This nested occurrence functionality is a combination of nesting the package/sequence occurrence in the field number format along with the multiple occurrence of the field itself. This functionality can only exist with FedEx International Priority DirectDistribution /FedEx International Priority DirectDistribution Freight MPS Single Shot transactions where field 4574 is set to 2—Different commodity set data; for example, 4574,"2".

The multiple occurrence may be used several times for a given package/sequence within a FedEx International Priority DirectDistribution /FedEx International Priority DirectDistribution Freight MPS Single Shot Transaction. Each occurrence may have a different value. Using multiple occurrence fields eliminates the need to code the same field over and over simply because the input values change.

Nested Occurrence Field Format

The format for a multiple occurrence field is X-#. This format means that:

- "X" is replaced by the field number that is to be used multiple times for a given package/sequence occurrence as well as possibly being multiple occurrences for each package/sequence
- "-" is the dash used as a separator
- First # sign is replaced by the PACKAGE NUMBER occurrence. The maximum number of package occurrences is dependant upon the type of transaction these fields are present in.
- Second # signs replaced by the number of the occurrence for field/tag a tied to a specific package/sequence.

For example, field 79 (Description of Contents) might have this sequence of multiple occurrence fields:

79-1-1
79-1-2
79-2-1
79-2-2
79-3-1
79-3-2

In this example, field 79 is present in the shipping transaction as follows along with the presence of field 4574 set to 2:

79-1-2,"Pens" also belongs to package # 1 in the FedEx International Priority DirectDistribution /FedEx International Priority DirectDistribution Freight MPS Single Shot.
79-3-1 "Rulers" belongs to package # 2 in the IPD FedEx International Priority DirectDistribution FedEx International Priority DirectDistribution Freight MPS Single Shot Transaction.
FedEx IPD/IDF 020/120 Global Shipping
Transaction Scenarios

Scenario 1 - Single ADD Piece and Single Shot Open Ship


1 IPD/IDF Master shipment opened using Open Ship CREATE (field 541 Open Ship Flags position 1 set to Y: “YNNNNNNNNN”)

2 SINGLE IPD/IDF ADD PIECE – Single 020 passed in with field 541 (Open Ship Flags) position 4 ADD PIECE set to Y “NNNYNNNNNN”, along with field 1355 (IOR Code) set to same value passed in the master. This is ONE PIECE to ONE RECIPIENT. All other field entries would be valid based on existing FedEx International Priority DirectDistribution and FedEx International Priority DirectDistribution Freight transaction rules.

3 MPS IPD/IDF SINGLE SHOT – Single Shot 020 passed in with field 541 (Open Ship Flags) position 4 ADD PIECES set to Y “NNNYNNNNNN”, along with field 1355 (IOR Code) set to same value passed in the master. This is MULTIPLE PIECES to ONE RECIPIENT, for example, 5 pieces field 1670 sent in with 5 occurrences. All other field entries would be valid based on existing FedEx International Priority DirectDistribution and FedEx International Priority DirectDistribution Freight transaction rules.

4 SINGLE IPD/IDF ADD PIECE – Single 020 passed in with field 541 (Open Ship Flags) position 4 to ADD PIECE set to Y “NNNYNNNNNN”, along with field 1355 (IOR Code) set to same value passed in the master. This is ONE PIECE to ONE RECIPIENT. All other field entries would be valid based on existing FedEx International Priority DirectDistribution and FedEx International Priority DirectDistribution Freight transaction rules.

5 IPD/IDF CONFIRM – Single 020 passed in with field 541 (Open Ship Flags) position 9 to CONFIRM set to Y “NNNNNNNNNN”, along with field 1355 (IOR Code) set to same value passed in the master. All other field entries would be valid based on existing FedEx International Priority DirectDistribution and FedEx International Priority DirectDistribution Freight transaction rules.

Scenario 2 - Multiple Single Shot

Scenario 2 describes a multiple Single Shot FedEx International Priority DirectDistribution and FedEx International Priority DirectDistribution Freight MPS shipment transaction ONLY inside Open Ship:

1 PD/IDF MASTER OPENED VIA CREATE – Single 020 passed in with field 541 (Open Ship Flags) position 1 to CREATE set to Y “YNNNNNNNNN”. Also field 1355 (Consolidated Index/IOR Code) is sent in. All other field entries would be valid based on existing FedEx International Priority DirectDistribution and FedEx International Priority DirectDistribution Freight transaction rules.

2 MPS IPD/IDF SINGLE SHOT – Single Shot 020 passed in with field 541 (Open Ship Flags) position 4 to ADD PIECES set to Y “NNNYNNNNNN”, along with field 1355 (Consolidated Index/IOR Code) passed in on the master. This is MULTIPLE PIECES to ONE RECIPIENT, for example, 10 pieces field 1670 sent in with 10 occurrences. All other field entries would be valid based on existing FedEx International Priority DirectDistribution and FedEx International Priority DirectDistribution Freight transaction rules.

3 MPS IPD/IDF SINGLE SHOT – Single Shot 020 passed in with field 541 (Open Ship Flags) position 4 to ADD PIECES set to Y “NNNYNNNNNN”, along with field 1355 (IOR Code) set to same value passed in the master. This is MULTIPLE PIECES to ONE RECIPIENT, for example, 5 pieces field 1670 sent in with 5 occurrences. All other field entries would be valid based on existing FedEx International Priority DirectDistribution and FedEx International Priority DirectDistribution Freight transaction rules.

4 MPS IPD/IDF SINGLE SHOT – Single Shot 020 passed in with field 541 (Open Ship Flags) position 4 to ADD PIECES set to Y “NNNYNNNNNN”, along with field 1355 (IOR Code) set to same value passed in the master. This is MULTIPLE PIECES to ONE RECIPIENT, for example, 20 pieces field 1670 sent in with 20
occurrences. All other field entries would be valid based on existing FedEx International Priority DirectDistribution and FedEx International Priority DirectDistribution Freight transaction rules.

5 PD/IDF CONFIRM – Single 020 passed in with field 541 (Open Ship Flags) position 9 to CONFIRM set to Y “NNNNNNNNNY”, along with field 1355 (IOR Code) set to same value passed in the master. All other field entries would be valid based on existing FedEx International Priority DirectDistribution and FedEx International Priority DirectDistribution Freight transaction rules.

Total Child Pieces Shipped = 35

Scenario 3 - One Single Shot


1 IPD/IDF MASTER OPENED VIA CREATE – Single 020 passed in with field 541 (Open Ship Flags) position 1 to CREATE set to Y “YNNNNNNNNN”. Also field 1355 (IOR Code) is sent in. All other field entries would be valid based on existing FedEx International Priority DirectDistribution and FedEx International Priority DirectDistribution Freight transaction rules.

2 MPS IPD/IDF SINGLE SHOT– Single Shot 020 passed in with field 541 (Open Ship Flags) position 4 to ADD PIECES set to Y “NNNNNNNNN”, along with field 1355 (IOR Code) set to same value passed in the master. This is MULTIPLE PIECES to ONE RECIPIENT, for example, 25 pieces field 1670 sent in with 25 occurrences. All other field entries would be valid based on existing FedEx International Priority DirectDistribution and FedEx International Priority DirectDistribution Freight transaction rules.

3 IPD/IDF CONFIRM – Single 020 passed in with field 541 (Open Ship Flags) position 9 to CONFIRM set to Y “NNNNNNNNNY”, along with tag 1355 (IOR Code) set to same value passed in the master. All other field entries would be valid based on existing FedEx International Priority DirectDistribution and FedEx International Priority DirectDistribution Freight transaction rules.

Total Child Pieces Shipped = 25
## Creating a IPD/IDF/IED Shipment Transaction

The recipient identified on the master air waybill (MAWB) is the IPD address. The IPD address is a combination of your IOR name and the FedEx clearance facility address.

Use the fields in Table 12-7 to create a CREATE MAWB transaction.

### Table 12-7 CREATE a FedEx IPD/IED/IDF MAWB

<table>
<thead>
<tr>
<th>CREATE IPD/IED/IDF MAWB Fields</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Transaction</strong>: 020 Global Ship Request - Open Ship MPS</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Service Valid For</td>
<td></td>
</tr>
<tr>
<td>Payor Account Number</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| 20 | Max=9 | N | I | FDXE | INTL IPD IDF IED | Field Level: Shipment REQUIRED*. Nine-digit FedEx account number of company or person to be billed for the shipment. *Required for IPD/IED/IDF when field 23 (Pay Type) = 3. |
| Pay Type |

| 23 | Max=1 | N | I/O | FDXE | INTL IPD IDF IED | Field Level: Shipment REQUIRED. Method of payment for transportation charges. Valid values: 1—Bill Sender 3—Bill Third Party When the pay type is 3 (Bill Third Party), field 20 (Payor Account Number) is required. |
| Recipient Country |

| Customs Currency Type |

| 68 | Max=3 | A | I | FDXE | INTL IPD IDF IED | Field Level: Shipment REQUIRED* or Defaulted. Indicates the currency in which the customs value is expressed. *Required for FedEx Express international shipments only; for FedEx Express U.S. domestic shipments the value defaults to USD and for CA origins to CAD. Note: The value for this field is applied to field 119 and field 1030. |
### Duty/Tax Payment Type

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>70</td>
<td>Max=1</td>
<td>N</td>
<td>I</td>
<td>FDXE</td>
<td><strong>Field Level:</strong> Shipment Optional. Indicates payment type for duties and taxes. Valid values are: 1—Bill Sender 2—Bill Recipient (default) 3—Bill Third Party</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Duty/Tax Payor Account Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>71</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Terms of Sale</th>
</tr>
</thead>
<tbody>
<tr>
<td>72</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Country of Ultimate Destination</th>
</tr>
</thead>
<tbody>
<tr>
<td>74</td>
</tr>
</tbody>
</table>
### CREATE IPD/IED/IDF MAWB Fields

**Transaction:** 020 Global Ship Request - Open Ship MPS

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Weight Units

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Max=3</th>
<th>A</th>
<th>I</th>
<th>FDXE</th>
<th>INTL</th>
<th>IPD</th>
<th>IED</th>
<th>IDF</th>
<th>REQUIRED* or Defaulted.</th>
</tr>
</thead>
<tbody>
<tr>
<td>75</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FDXE</td>
<td></td>
<td></td>
<td></td>
<td>Indicates the unit of weight used for the shipment.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>IPD</td>
<td>IED</td>
<td>IDF</td>
<td>*Required if your shipment is calculated in kilograms (KGS).</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Valid values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>LBS</strong>—Weight in pounds (default for U.S. domestic and export)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>KGS</strong>—Weight in kilograms (default for intra-Canada and all international)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Note: For intra-U.S.(domestic) shipments, you may enter the weight in LBS or KGS.</td>
</tr>
</tbody>
</table>

#### Commercial Invoice Print and Upload Flag

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Max=1</th>
<th>A</th>
<th>I</th>
<th>FDXE</th>
<th>INTL</th>
<th>IPD</th>
<th>IED</th>
<th>IDF</th>
<th>REQUIRED*</th>
</tr>
</thead>
<tbody>
<tr>
<td>113</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FDXE</td>
<td></td>
<td></td>
<td></td>
<td>To create a commercial invoice for each piece of the shipment, set the flag to <strong>Y</strong> to create an individual commercial invoice.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>IPD</td>
<td>IED</td>
<td>IDF</td>
<td>*Required for the electronic upload of commercial invoice (CI) data (pre-clearance), VISA data upload, and/or printing of the FedEx commercial invoice (CI).</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Valid values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>Y</strong>—Uploads an ECI and/or prints a FedEx CI</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>N</strong>—Does not upload to FedEx or print a FedEx CI</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Field 2404 position 1 (Commercial Invoice) should also be set to <strong>Y</strong> to generate a CI (default). If field 113 is set to <strong>Y</strong>, it overrides the value in field 2404 position 1.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>If field 113 is set to <strong>Y</strong> and field 2404 position 2 (Pro Forma Invoice) is set to <strong>Y</strong>, field 113 becomes primary and FedEx Ship Manager Server ignores the Pro Forma Invoice value.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Note: An Electronic Commercial Invoice (ECI) will only upload if accepted by the Recipient country. See the FedEx Service Guide for details.</td>
</tr>
</tbody>
</table>
### CREATE IPD/IED/IDF MAWB Fields

**Transaction: 020 Global Ship Request - Open Ship MPS**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>498</td>
<td>Max=9 Min=7</td>
<td>N</td>
<td>I</td>
<td>FDXE INTL IED IDF</td>
<td></td>
<td><strong>Field Level:</strong> Shipment <strong>REQUIRED</strong> or Defaulted. Unique number assigned to a FedEx shipping account (used in each transaction to identify the revenue/shipping activity of a shipment). Defaults to the master meter number. This field ensures the tracking number obtained is from the range assigned in the requesting meter. *Required if the meter number is different than the meter number configured as the default. *Required for reprinting reports. Note: If a one-to-one relationship exists between meter numbers and account numbers (in other words, there is no more than one meter number per account number), then the meter number or the account number alone may be used in the transaction. For this shipment, use any method. Note: In FedEx Ship Manager Server version 10.0.1, meter numbers are expanded to nine-digits in length. Your assigned meter number may be any length up to nine-digits.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Open Ship Flags</th>
</tr>
</thead>
<tbody>
<tr>
<td>541</td>
</tr>
</tbody>
</table>
## CREATE IPD/IED/IDF MAWB Fields

**Transaction: 020 Global Ship Request - Open Ship MPS**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Service</td>
<td>Valid For</td>
</tr>
<tr>
<td>1271</td>
<td>Max=5</td>
<td>N</td>
<td>I</td>
<td>FDXE</td>
<td>Freight</td>
<td><strong>Field Level:</strong> Shipment Optional. Total number of packages within all freight pallets for FedEx Express Freight - International services. For bill of lading (BOL), this is the number of pallets. You can manually enter this number on the BOL.</td>
</tr>
<tr>
<td>1274</td>
<td>Min=2 Max=3</td>
<td>N</td>
<td>I/O</td>
<td>FDXE</td>
<td>INTL</td>
<td><strong>Field Level:</strong> Shipment <strong>REQUIRED.</strong> Service type provided by the IPD/IED/IDF shipper. Valid service types are: 17—FedEx International Economy Direct Distribution Service (IED) 18—FedEx International Priority Direct Distribution (IPD) 84—FedEx International Priority Direct Distribution Freight (IDF)</td>
</tr>
<tr>
<td>1297</td>
<td>Max=15</td>
<td>A/N</td>
<td>I</td>
<td>FDXE</td>
<td>INTL</td>
<td><strong>REQUIRED.</strong> Internal invoice number determined by the customer.</td>
</tr>
<tr>
<td>1300</td>
<td>Max=15</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>INTL</td>
<td>Optional. Customer-assigned Purchase Order Number that applies to a FedEx International Priority Direct Distribution (IPD) shipment.</td>
</tr>
<tr>
<td>1349</td>
<td>Max=1</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>INTL</td>
<td>*<em>REQUIRED</em>. Indicates whether the shipper or carrier will be responsible for any applicable Electronic Export Information (EEI). *Required only for U.S. Export EEI shipping (shipments of value greater than $2500.00 or to an EEI prescribed country). Valid value: S—Shipper responsible</td>
</tr>
<tr>
<td>1354</td>
<td>Max=15</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>INTL</td>
<td>Customer-assigned Packing Slip Number that applies to an FedEx International Priority Direct Distribution (IPD) shipment.</td>
</tr>
</tbody>
</table>
### CREATE IPD/IED/IDF MAWB Fields

**Transaction: 020 Global Ship Request - Open Ship MPS**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input</th>
<th>Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IOR Code</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1355</td>
<td>Max=15</td>
<td>A/N</td>
<td>I/O</td>
<td>FDXE</td>
<td>INTL</td>
<td>REQUIRED. For IPD, it is the Importer of Record (IOR) Code. The importer of record (IOR) code applies to the individual shipment and must match an IOR code entered during configuration. Returned as output only for FedEx International Priority Direct-Distribution (IPD) and FedEx International Direct-Distribution Freight (IDF) shipments.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>IPD IED IDF</td>
<td></td>
</tr>
<tr>
<td>FTR, XTN, or ITN Entry</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>REQUIRED or Defaulted.</td>
<td></td>
</tr>
<tr>
<td>1358</td>
<td>Max=32</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>INTL</td>
<td>REQUIRED or Defaulted. Input the Foreign Trade Regulations (FTR) Exemption Number, the Pre-Departure ITN, Post Departure Citation, or AES Downtime Citation.*</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>IPD IED IDF</td>
<td></td>
</tr>
</tbody>
</table>

*Detailed exemption provisions—for when a Electronic Export Information (EEI) is not required—are contained in the FTSR, Subpart D, sections 30.50 through 30.58. For acceptable EEI exemption statements, refer to Foreign Trade Statistics Letter 168 (amendment1).*
### CREATE IPD/IED/IDF MAWB Fields

**Transaction: 020 Global Ship Request - Open Ship MPS**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Field Level: Shipment</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>REQUIRED*</td>
</tr>
<tr>
<td>Return Address Contact Name</td>
<td>1485</td>
<td>Max=35</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*Required if 1586 is set to Y and field 1486 is not used.</td>
</tr>
<tr>
<td>Return Address Company Name</td>
<td>1486</td>
<td>Max=35</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*Required if 1586 is set to Y and field 1485 is not used.</td>
</tr>
<tr>
<td>Return Address Line 1</td>
<td>1487</td>
<td>Max=35</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*Required if 1586 is set to Y.</td>
</tr>
<tr>
<td>Return Address Line 2</td>
<td>1488</td>
<td>Max=35</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*Required if 1586 is set to Y.</td>
</tr>
<tr>
<td>Return Address City</td>
<td>1489</td>
<td>Max=35</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*Required if 1586 is set to Y.</td>
</tr>
<tr>
<td>Return Address State/Province</td>
<td>1490</td>
<td>Max=2</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*Required if 1586 is set to Y and the return address country is U.S., Canada (CA), or Puerto Rico (PR).</td>
</tr>
<tr>
<td>Return Address Postal Code</td>
<td>1491</td>
<td>Max=10</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*Required if 1586 is set to Y.</td>
</tr>
</tbody>
</table>
## CREATE IPD/IED/IDF MAWB Fields

**Transaction: 020 Global Ship Request - Open Ship MPS**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Service</td>
<td>Valid For</td>
</tr>
</tbody>
</table>

### Return Address Phone Number

| 1492 | Max=15 | A | I | FDXE | INTL | IPD | IED | IDF | Field Level: Shipment REQUIRED*. Phone number for return address. *Required if 1586 is set to Y. |

### APD/PCV Account Number

| 1547 | Max=9 | N | I | FDXE | INTL | IPD | IED | IDF | REQUIRED*. *Required for FedEx International Priority Direct Distribution Freight (IDF). IDF appointment delivery (APD) or piece count verification (PCV) account number. Note: When used in the Open Ship CREATE transaction, applies to the first customer reference number (CRN) and not the entire IDF shipment. |

### APD/PCV Payment Types

| 1548 | Max=1 | N | I | FDXE | INTL | IPD | IED | IDF | Optional. Payment type for FedEx International Priority Direct Distribution Freight (IDF) appointment delivery (APD) of piece count verification (PCV) contracted service. Note: When used in the Open Ship CREATE transaction, applies to the first customer reference number (CRN) and not the entire IDF shipment. |

### Appointment Delivery (APD) Flag Field

| 1549 | Max=1 | A | I | FDXE | INTL | IPD | IED | IDF | Optional. When used in the Open Ship CREATE transaction, applies to the first CRN and not the entire IDF shipment. |

### Piece Count Verification (PCV) Flag

| 1550 | Max=1 | A | I | FDXE | INTL | IPD | IED | IDF | Optional. When used in the Open Ship CREATE transaction, applies to the first customer reference number (CRN) and not the entire IDF shipment. |

### Return Country Code

| 1585 | Max=2 | N | I | FDXE | INTL | IPD | IED | IDF | Field Level: Shipment REQUIRED*. Code for country of return address. This code must match the origin country code for the shipment. *Required if 1586 is set to Y. For FedEx SmartPost, field is optional. Valid value is US. See Appendix C in the Transaction Coding Reference for a list of country codes. |
### CREATE IPD/IED/IDF MAWB Fields

#### Transaction: 020 Global Ship Request - Open Ship MPS

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
</table>
| 1586     | Max=1        | A         | I            | FDXE            | **Field Level:** Shipment for all shipments except FedEx International Priority DirectDistribution (IPD). For IPD shipments only, field 1586 is used at the package level.  
**REQUIRED**.  
Set to Y if print alternate return address is required on all Customer Reference Number (CRN) labels. Overrides the sender address on the shipping label as the return address.  
Valid values are:  
Y—Print alternate return address on label  
N or not present—Do not print alternate return address (default)  
*Required to override the sender address on the shipping label.* |

| 1592     | Max=1        | A         | I            | FDXE            | **Optional.**  
Set to Y if:  
• Overwrite Total Customs Value is required during CONFIRM shipment  
• Print Summary Commodity Description on Master Air Waybill (MAWB) label is required during CONFIRM shipment |

| 1958     | Max=3        | A         | I            | FDXE            | **REQUIRED**.  
Indicate *Admissibility Package Type* if you are using your own packaging for the shipment.  
Use for all shipments inbound to Canada (CA) and inbound shipments to the U.S. and Puerto Rico (PR) from Canada and Mexico (MX).  
The *Admissibility Package Type* is based on the approved package codes documented in the Admissibility Package Type Codes in Appendix C of the Transaction Coding Reference. If the shipment packaging you use is not listed, enter BOX as the default value.  
*Required for all shipments inbound to CA and inbound shipments to the U.S. and PR from CA and MX.* |
**Master Air Waybill**

The MAWB also contains the following fields listed in Table 12-8, which are calculated or derived when you CONFIRM a shipment; no entry is allowed for these fields in the CREATE MAWB transaction:

*Table 12-8 Fields with No Entry Values in CREATE MAWB*

<table>
<thead>
<tr>
<th>No Entry Allowed Fields for CREATE MAWB Transaction</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Transaction:</strong> 020 Global Ship Request - Open Ship MPS</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input / Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
</table>
| 1670     | Max=8.2      | N         | I              | FDXE           | **Field Level:** Shipment for international and intra-Canada shipments  
REQUIRED*.  
Weight of package or shipment.  
*Required to receive rate quotes.  
This weight field supports two implied decimals for all shipments.  
FSMS performs the weight summation and package count. This method is optional for all FedEx International shipping including U.S. Export.  
For all FedEx International and Intra-Canada Shipping:  
You may enter the total shipment weight rather than the individual package weights. If you enter the total shipment weight, you must also use field 116 (Package Total) to indicate the total number of packages in the shipment.  
Maximum weights allowed are:  
• FedEx Express (non-Freight)—150 lbs.  
• FedEx Ground—150 lbs.  
• FedEx Home Delivery—70 lbs.  
Note: If field 1670 is not passed in the transaction, all the rating fields in the reply are null (""), zero (0), or not present.  
For this shipment, use any method. |
| 116      | Max=11       | N         | I/O            | FDXE           | **Field Level:** Shipment  
REQUIRED*.  
Total number of packages in a shipment, including the master package.  
*Required for a multiple-piece shipment (MPS).  
For all MPS shipments, the software performs the package count summation based on the number of occurrences of field 1670-# (Package Weight / Shipment Weight) and overrides any input value.  
For this shipment, use any method.  
Note: You can use this field for FedEx international shipments if you supply shipment Total Packages and Total Weight. |
## Total Commodity Customs Value

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>119</td>
<td>Max=112</td>
<td>N</td>
<td>I</td>
<td>FDXE IPD IED IDF</td>
<td><strong>Field Level</strong>: Shipment REQUIRED*. Enter the total dutiable value of the shipment. *Required when field 113 (Commercial Invoice Print and Upload Flag) is set to N. Optional when field 113 is set to Y. If field 113 is set to Y, this value is derived from the sum of Quantity x Unit Value (field 82 x field 1030). An entry in field 119 (Total Commodity Customs Value) will override the derived value. If field 113 is set to Y, field 2404 (Shipment Documentation Flag) position 1 (Commercial Invoice) should also be set to Y to generate a commercial invoice (default).</td>
</tr>
</tbody>
</table>
### Deleting a IPD/IED/IDF Customer Reference Number

You can delete a Customer Reference Number (CRN), also known as a piece or package, from a shipment after you CREATE the master air waybill (MAWB) and ADD CRN to the shipment. Table 12-9 lists the required fields to use in a DELETE CRN transaction.

**Table 12-9 Fields to DELETE CRN in IPD/IED/IDF Shipment**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tracking Number</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| 29       | Min=12 Max=25 | A | I/O | FDXE INTL IPD IED IDF | REQUIRED*. Tracking number of the package or piece in a multiple-piece shipment (MPS).
*Required in conjunction with field 541 to identify the package to ADD, EDIT or DELETE in an Open Ship 020/120 Global Ship transaction. |
| **Recipient Country** |  |  |  |  |  |
| 50       | Max=2         | A | I  | FDXE INTL IPD IED IDF | Field Level: Shipment REQUIRED*. Two-digit code indicating the country of the Recipient address.
*Required for FedEx International Priority DirectDistribution® (IPD), FedEx International Economy DirectDistributionSM Service (IED) and FedEx International Priority DirectDistribution® Freight (IDF) shipments.
*Required for FedEx SmartPost®.
*Required for ADD Piece Open Ship function. For this shipment, use any method. See Appendix C in the Transaction Coding Reference for the Country Code table. |
| **Meter Number** |  |  |  |  |  |
| 498      | Max=7         | N | I  | FDXE INTL IPD IED IDF | Field Level: Shipment REQUIRED* or Defaulted. Unique number assigned to a FedEx shipping account (used in each transaction to identify the revenue/shipping activity of a shipment). Defaults to the master meter number.
*Required if the meter number is different than the meter number configured as the default.
Note: If a one-to-one relationship exists between meter numbers and account numbers (in other words, there is no more than one meter number per account number), then the meter number or the account number alone may be used in the transaction.
Note: In FedEx Ship Manager Server version 10.0.1, meter numbers are expanded to nine-digits in length. Your assigned meter number may be any length up to nine-digits. |
### Open Ship Flags

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>541</td>
<td>Max=9</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>Field Level: Package REQUIRED*. Nine one-byte flags which are set to Y to indicate Open Ship function. Flag must be either Y or N; you cannot enter all NS. To DELETE a package, set the 7th position of the flag to Y. For example, <strong>NNNNNNYNN</strong> requests to delete a package from an Open Ship shipment. *Required for Open Ship.</td>
</tr>
</tbody>
</table>

### Service Type

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1274</td>
<td>Max=2</td>
<td>N</td>
<td>I</td>
<td>FDXE</td>
<td>Field Level: Shipment REQUIRED. Service type provided by the IPD/IED/IDF shipper. Valid service types are: 17—FedEx International Economy DirectDistribution Service (IED) 18—FedEx International Priority DirectDistribution (IPD) 84—FedEx International Priority Direct Distribution Freight (IDF)</td>
</tr>
</tbody>
</table>

### IOR Code

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1355</td>
<td>Max=15</td>
<td>A/N</td>
<td>I</td>
<td>FDXE</td>
<td>REQUIRED. The transaction contains the importer of record (IOR) code that applies to the individual shipment and must match an IOR code entered during configuration. Returned as output only for FedEx International Priority DirectDistribution (IPD) and FedEx International DirectDistribution Freight (IDF) shipments.</td>
</tr>
</tbody>
</table>
Deleting an IPD/IED/IDF Shipment

If needed, you can delete a shipment after the master air waybill (MAWB) and CRN (packages) are created. To delete the entire shipment, create a 020 Global Ship Request transaction using the fields listed in Table 12-10.

**Table 12-10 Fields to DELETE IPD/IED/IDF Shipment**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input\Output</th>
<th>FedEx Shipping</th>
<th>Service</th>
<th>Valid For</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>REQUIRED*. Tracking number of the package or piece in a multiple-piece shipment (MPS).</td>
</tr>
<tr>
<td>29</td>
<td>Min=12</td>
<td>A</td>
<td>I/O</td>
<td>FDXE</td>
<td>INTL</td>
<td>IPD</td>
<td>IPD</td>
</tr>
<tr>
<td></td>
<td>Max=25</td>
<td></td>
<td></td>
<td></td>
<td>IED</td>
<td>IDF</td>
<td>IED</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>REQUIRED*. Required in conjunction with field 541 to identify the package to ADD, EDIT or DELETE in an Open Ship 020/120 Global Ship transaction.</td>
</tr>
<tr>
<td>50</td>
<td>Max=2</td>
<td>A</td>
<td>I</td>
<td>FDXE</td>
<td>INTL</td>
<td>IPD</td>
<td>IPD</td>
</tr>
<tr>
<td>498</td>
<td>Max=7</td>
<td>N</td>
<td>I</td>
<td>FDXE</td>
<td>INTL</td>
<td>IPD</td>
<td>IPD</td>
</tr>
</tbody>
</table>
### Open Ship Flags

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Max</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>541</td>
<td>9</td>
<td>A</td>
<td>I</td>
<td>FDXE INTL IPD IED IDF</td>
<td><strong>Field Level:</strong> Shipment <strong>REQUIRED</strong>. Nine one-byte flags which are set to Y to indicate Open Ship function. Flag must be either Y or N; you cannot enter all Ns. To DELETE a shipment, set the 8th position of the flag to Y. For example, NNNNNNNYN requests to delete an Open Ship shipment. <em>Required for Open Ship.</em></td>
</tr>
</tbody>
</table>

### Service Type

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Max</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1274</td>
<td>2</td>
<td>N</td>
<td>I</td>
<td>FDXE INTL IPD IED IDF</td>
<td><strong>Field Level:</strong> Shipment <strong>REQUIRED</strong>. Service type provided by the IPD/IED/IDF shipper. Valid service types are: 17—FedEx International Economy DirectDistribution Service (IED) 18—FedEx International Priority DirectDistribution (IPD) 84—FedEx International Priority Direct Distribution Freight (IDF)</td>
</tr>
</tbody>
</table>

### IOR Code

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Max</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1355</td>
<td>15</td>
<td>A/N</td>
<td>I</td>
<td>FDXE INTL IPD IED IDF</td>
<td>For International Priority DirectDistribution, it is the Importer of Record (IOR) Code. Importer of record (IOR) code applies to the individual shipment and must match an IOR code entered during configuration. Returned as output only for FedEx International Priority DirectDistribution (IPD) and FedEx International DirectDistribution Freight (IDF) shipments.</td>
</tr>
</tbody>
</table>
Specifying IPD/IDF/IED Shipment Service Type

When you create an IPD/IDF/IED transaction, you must tell FedEx Ship Manager Server what type of shipment you are requesting.

**Specify an International Priority DirectDistribution Shipment**

A FedEx International Priority DirectDistribution (IPD) shipment is identified for FedEx Ship Manager Server by including the following fields as part of the 020 Global Ship Request transaction:

- Field 1273 (Packaging Type) set to 01. For example, `1273, "01"`.
- Field 1274 (Service Type) set to 18. For example, `1274, "18"`.

Figure 12-2 displays a list of example IPD transaction fields with the Packaging Type and Service Type field values circled.

**Specify a FedEx International Economy DirectDistribution Service Shipment**

A FedEx International Economy DirectDistribution Service (IED) shipment is identified for FedEx Ship Manager Server by including the following fields as part of the 020 Global Ship Request transaction:

- Field 1273 (Packaging Type) set to 01. For example, `1273, "01"`.
- Field 1274 (Service Type) set to 17. For example, `1274, "17"`.

Figure 12-3 displays a list of example IED transaction fields with the Packaging Type and Service Type field values circled.

**Specify a FedEx International Priority DirectDistribution Freight Shipment**

A FedEx International Priority DirectDistribution Freight (IDF) shipment is identified for FedEx Ship Manager Server by including the following fields as part of the 020 Global Ship Request transaction:

- Field 1273 (Packaging Type) set to 01. For example, `1273, "01"`.
- Field 1274 (Service Type) set to 84. For example, `1274, "84"`.

---

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open Ship Process Request Flag (541)</td>
<td>NNNYNNNNNN</td>
</tr>
<tr>
<td>Open Ship Index Number (542)</td>
<td>12</td>
</tr>
<tr>
<td>Unit Value (1030)</td>
<td>1001000000</td>
</tr>
<tr>
<td>Rate Currency Type (1090)</td>
<td>USD</td>
</tr>
<tr>
<td>Sender IRS EIN Number (1139)</td>
<td>8888551111</td>
</tr>
<tr>
<td>Packaging Type (1273)</td>
<td>01</td>
</tr>
<tr>
<td>Service Type (1274)</td>
<td>18</td>
</tr>
<tr>
<td>AES illg status code (1349)</td>
<td>S</td>
</tr>
<tr>
<td>Importer clearance facility id (1355)</td>
<td>IPD:INDI654321</td>
</tr>
</tbody>
</table>

---

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open Ship Process Request Flags (541)</td>
<td>NNNYNNNNNN</td>
</tr>
<tr>
<td>Unit Value (1030)</td>
<td>12008293975</td>
</tr>
<tr>
<td>Rate Currency Type (1090)</td>
<td>USD</td>
</tr>
<tr>
<td>Dim Units (1116)</td>
<td>CM</td>
</tr>
<tr>
<td>Packaging Type (1273)</td>
<td>01</td>
</tr>
<tr>
<td>Service Type (1274)</td>
<td>17</td>
</tr>
<tr>
<td>thermal_label_print_flag (1282)</td>
<td></td>
</tr>
<tr>
<td>Importer clearance facility id (1355)</td>
<td>IPD:INDI123456</td>
</tr>
</tbody>
</table>
Figure 12-4 displays a list of example IED transaction fields with the Packaging Type and Service Type field values circled.

**Figure 12-4 Packaging Type and Service Type for IDF**

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open Ship Process Request Flag (541)</td>
<td>YNNNNNNNN</td>
</tr>
<tr>
<td>Rate Currency Type (1090)</td>
<td>USD</td>
</tr>
<tr>
<td>Packaging Type (1273)</td>
<td>01</td>
</tr>
<tr>
<td>Service Type (1274)</td>
<td>84</td>
</tr>
<tr>
<td>Customer Invoice Number (1297)</td>
<td>IPD-MEMI654321</td>
</tr>
<tr>
<td>Importer clearance facility id (1355)</td>
<td>IPD-MEMI654321</td>
</tr>
</tbody>
</table>

**Specifying a Single Point of Clearance Shipment**

In a normal IPD/IDF/IED shipment, all pieces (CRNs) of the same or different recipient addresses must be labeled to the same destination country and clearance facility as the MAWB. However, a single point of clearance (SPOC) shipment to Europe allows any piece (CRN) to be labeled to different European Union countries under a single master air waybill (MAWB).

If the clearance facility configured in your FedEx Ship Manager Server meter settings is IDSI of country FR (France), your shipments are identified as single point of clearance (SPOC) to Europe.

Figure 12-5 displays a list of example single point of clearance (SPOC) fields with the IDSI portion of the importer clearance facility identification number underlined.

**Figure 12-5 Single Point of Clearance Fields**

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open Ship Process Request Flag (541)</td>
<td>YNNNNNNNN</td>
</tr>
<tr>
<td>Rate Currency Type (1090)</td>
<td>USD</td>
</tr>
<tr>
<td>Packaging Type (1273)</td>
<td>1</td>
</tr>
<tr>
<td>Service Type (1274)</td>
<td>18</td>
</tr>
<tr>
<td>Customer Invoice Number (1297)</td>
<td>IPD-IDS[654321]</td>
</tr>
<tr>
<td>Importer clearance facility id (1355)</td>
<td>IPD-IDS[654321]</td>
</tr>
</tbody>
</table>

**Specifying IPD/IDF/IED Single Point of Clearance**

In a normal IPD/IDF/IED shipment, you must label all pieces (CRNs) of the same or different recipient addresses to the same destination country and clearance facility as the master air waybill (MAWB). However, a single point of clearance (SPOC) shipment to Europe allows any piece (CRN) to be labeled to different European Union countries under a single master air waybill (MAWB).

If the clearance facility configured in your FedEx Ship Manager Server meter settings is IDSI of country FR (France), your shipments are identified as single point of clearance (SPOC) to Europe.

Figure 12-6 displays an example of a single point of clearance (SPOC) field with the IDSI portion of the importer clearance facility identification number underlined.

**Figure 12-6 Single Point of Clearance for IPD/IDF/IDF**

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open Ship Process Request Flag (541)</td>
<td>YNNNNNNNN</td>
</tr>
<tr>
<td>Rate Currency Type (1090)</td>
<td>USD</td>
</tr>
<tr>
<td>Packaging Type (1273)</td>
<td>1</td>
</tr>
<tr>
<td>Service Type (1274)</td>
<td>18</td>
</tr>
<tr>
<td>Customer Invoice Number (1297)</td>
<td>IPD-IDS[654321]</td>
</tr>
<tr>
<td>Importer clearance facility id (1355)</td>
<td>IPD-IDS[654321]</td>
</tr>
</tbody>
</table>
Rounding Up Weights on IPD/IDF Shipments

Round up of the weight (field 1670 Package Weight / Shipment Weight) for FedEx International Priority DirectDistribution /FedEx International Priority DirectDistribution Freight in FedEx Ship Manager Server is now based on the shipment weight at shipment level, not customer reference number (CRN) weight at package level.

FedEx Ship Manager Server uploads the exact weight of each child (CRN level) package, as well as the exact summed weight at the master air waybill level.

Example

A shipment consists of three packages with weights of 4.2 LBS, 3.1 LBS, and 6.8 LBS. The exact weights of each package are placed into the upload file as well as printed on the CRN shipping labels. The three weights are added together to create the shipment master weight (14.1 LBS).

<table>
<thead>
<tr>
<th>Shipment Pieces</th>
<th>Weight in input transaction</th>
<th>Weight in upload file</th>
<th>Weight printed on label</th>
</tr>
</thead>
<tbody>
<tr>
<td>IPD CRN1</td>
<td>4.2 LBS</td>
<td>4.2 LBS</td>
<td>4.2 LBS</td>
</tr>
<tr>
<td>CRN2</td>
<td>3.1 LBS</td>
<td>3.1 LBS</td>
<td>3.1 LBS</td>
</tr>
<tr>
<td>CRN3</td>
<td>6.8 LBS</td>
<td>6.8 LBS</td>
<td>6.8 LBS</td>
</tr>
<tr>
<td>Total MAWB</td>
<td></td>
<td>15 LBS</td>
<td>14.1 LBS</td>
</tr>
</tbody>
</table>

The weight that is used to rate for cost is the rounded up MAWB weight (15 LBS).

Package Level Commodity Fields Impacted by Field 4574

When field 4574 is set to 2—Different commodity set data, the following existing package-level commodity fields (listed in Table 12-11) for FedEx International Priority DirectDistribution and FedEx International Priority DirectDistribution Freight pieces are impacted:

Note: The format for a multiple occurrence field—where there is X-#-#—applies ONLY to FedEx International Priority DirectDistribution /FedEx International Priority DirectDistribution Freight MPS Single Shot transactions. See “Nested Occurrence Fields for IPD/IDF Transactions” in this chapter for an explanation of the field format.
<table>
<thead>
<tr>
<th>Transaction</th>
<th>Available Fields</th>
<th>Valid Values</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>020/120 Global Ship Request/Reply</strong></td>
<td>Shipping Transaction</td>
<td><strong>Field Level:</strong> Shipment <strong>REQUIRED</strong> and Optional. No implied decimal place if weight type is LBS. One implied decimal place if weight type is KGS. *Required for IPD/IDF Open Ship MPS shipment Optional for FedEx commercial invoice.</td>
</tr>
<tr>
<td>77##</td>
<td>Commodity Line Item Weight</td>
<td><strong>Field Level:</strong> Shipment <strong>REQUIRED</strong>. Description of commodity contents for the shipment. This can be used for free-form entry of document description when field 2396 is not used. *Required for commodity shipments or for document shipments when field 190 is set to Y and field 2396 is not used. *Required for General Agency Agreement (GAA) if import shipment. Note: Only 31 characters of this field print on the labels, but 450 characters are available for customer input to be used on their own reports, including the Commercial Invoice. Note: If both field 79 and 2396 are populated in the same transaction, field 2396 takes precedence. Field 79 takes precedence for IPD/IDF/IED shipments.</td>
</tr>
<tr>
<td>79##</td>
<td>Description of Contents</td>
<td><strong>Field Level:</strong> Shipment <strong>REQUIRED</strong>.</td>
</tr>
<tr>
<td>80##</td>
<td>Country of Manufacture</td>
<td><strong>Field Level:</strong> Shipment <strong>REQUIRED</strong>. Country code where commodity contents were produced or manufactured in their final form. If using a commercial invoice, this field is used at the commodity level. For multiple countries of manufacture, you may enter &quot;XX&quot; EXCEPT when shipping documents, multiple commodities, filling requests for customs documentation or using these FedEx® services: FedEx International Priority DirectDistribution FedEx International Priority DirectDistribution Freight FedEx International Economy DirectDistribution Service FedEx® Transborder Distribution See Appendix C in the Transaction Coding Reference for Country Codes.</td>
</tr>
<tr>
<td>81##</td>
<td>Schedule B Export/Harmonized Tariff Schedule (HTS) Code</td>
<td><strong>Field Level:</strong> Shipment <strong>REQUIRED</strong>. 10-digit Schedule B Number or Harmonized Tariff Schedule Number for the commodity being exported. Ten (10) digits are required; add leading zeros if needed. Multiple-occurrence field.</td>
</tr>
<tr>
<td>Transaction</td>
<td>Available Fields</td>
<td>Valid Values</td>
</tr>
<tr>
<td>-------------------</td>
<td>-----------------------------</td>
<td>------------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| 020/120 Global Ship Request/Reply | 82## | Commodity Quantity | **Field Level:** Shipment **REQUIRED**.  
Total number of pieces of a given commodity in the entire shipment. For example, if you are shipping 6 pencils and 4 erasers, you code 82,"6"82-2,"4".  
*Required if field 113 is set to Y, and you are not using field 78 or field 119.  
Default is 1.  
If FedEx is filing the commercial invoice (CI), the values sent for this field and field 1030 determine the Total Customs Value for the shipment.  
Total Customs Value = Sum of Field 82 x Field 1030. This derived value can be overridden by passing a value in field 119.  
If field 113 is set to Y, field 2404 position 1 (Commercial Invoice) should also be set to Y to generate a commercial invoice (default). |
|                   | 120## | CI Marks and Numbers  | Optional.  
An identifying mark or number used on the packaging of a shipment to help customers identify a particular shipment.  
Only used for the FedEx commercial invoice (CI). |
|                   | 414## | Unit of Measure      | **REQUIRED**.  
Units of measure used to measure the commodity, such as IN, CM, FT, M, L and so forth.  
*Required if using FedEx Commercial Invoice and/or filing an Electronic Export Information (EEI). The EEI is the equivalent electronic version of the Shipper’s Export Declaration (SED).  
See Appendix C in the Transaction Coding Reference for a list of unit of measure codes. |
|                   | 1030## | Commodity Line Item Unit Value | **REQUIRED**.  
Selling price or cost (if not sold) of the commodity.  
*Required when using the FedEx commercial invoice (CI), and field 113 (Commercial Invoice Print and Upload Flag) is set to Y.  
If FedEx is filing the CI, the value for field 1030 and field 82 (Commodity Quantity) determine the Total Customs Value for the shipment.  
Total Customs Value equals field 82 multiplied by field 1030. This derived value can be overridden by passing a value in field 119 (Total Commodity Customs Value).  
If field 113 is set to Y, field 2404 (Shipment Documentation Flag) position 1 (Commercial Invoice) should also be set to Y to generate the commercial invoice (default). |
FedEx Customer Reference Number (CRN) Report

The FedEx Customer Reference Number (CRN) Report, also referred to as the IPD/IED/IDF CRN report, is available for these FedEx international services:

- FedEx International Priority DirectDistribution (IPD)
- FedEx International Economy DirectDistribution Service (IED)
- FedEx International Priority DirectDistribution Freight (IDF)

The IPD/IED/IDF CRN report accompanies the IPD/IED Visa Manifest Report (VMR) and is used in the event the shipment must be manually entered and manifested. Customers who print CRN reports need to verify that they have no problems uploading information and printing the packaging list and manifest report.

The report information includes the Consignee Name, Company, Weight, Address1, Address2, Phone and CRN Tracking Number.

The CRN Report prints in the following formats:

- Word document (.doc)
- Rich Text File (.rtf)
- Text only (.txt)
- Portable Document Format (.pdf)

**Setting the Number of CRN per Page**

You can print either 4 or 50 Customer Reference Numbers (CRNs) per page. The default setting is four (4) CRNs per page.

095/195 Reprint Request/Reply

If you want to change the setting from 4 to 50 or 50 to 4 when you are reprinting using the 095/195 Reprint transaction, you must start and stop the print service to pick up the new value selected prior to initiating the reprint of a given CRN report.

The 50-per-page FedEx International Priority DirectDistribution, FedEx International Economy DirectDistribution and FedEx International Priority DirectDistribution Freight CRN report can be set to print in landscape format.

Note: FSMS shippers can also change their CRN Report settings from 4 to 50 or back from 50 to 4 using the Report Viewer Utility.

070/170 Meter Query/Configuration Update Request/Reply

If you use the 070/170 Meter Query/Configuration Update transaction to generate a CRN report, you must pass field 2713 (Number of CRNs) in the transaction. Table 12-12 describes field 2713.
Table 12-12 Field 2713 Number of CRNs on Report Page

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Field Length</th>
<th>Data Type</th>
<th>Input/Output</th>
<th>FedEx Shipping</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2713</td>
<td>Max = 2</td>
<td>N</td>
<td>I</td>
<td>FDXE</td>
<td>All</td>
</tr>
</tbody>
</table>

Optional.
Specifies the number of Customer Reference Numbers (CRN) to print per page on the CRN Report. Valid values are 4 (default) or 50.
CRN Reports use a Customer Reference Number (CRN) to reference data for each package in a shipment. The report is available for the following contracted services:
- International Priority DirectDistribution (IPD)
- International Economy DirectDistribution (IED)
- International Economy DirectDistribution Freight (IDF)
Note: Shipper must start and stop the print service prior to initiating a reprint of the CRN report.

To set the number of CRN per page
1. Open the FSMS Configuration Utility.
2. Click the Reports Setting tab.
3. In the left pane, expand IPD Distribution (IPD/IED).
4. Click CRN.
5. In the right pane, in # of CRNs per page, use the drop-down list to select the number of CRN you wish to print per report page.
6. Click Apply or Apply&Exit.
Note: If you change the CRN Report settings, be sure to start and stop the print service to reset the setting prior to initiating the reprint of the CRN Report.

CRN-Level Country Weight Restriction Check

This topic relates to restriction checking for FedEx International Priority DirectDistribution and FedEx International Priority DirectDistribution Freight for the country weight per customer reference number (CRN).
For FedEx International Priority DirectDistribution /FedEx International Priority DirectDistribution Freight shipments, FedEx Ship Manager Server (FSMS) performs a country weight check against the International Priority (IP) and International Priority Freight maximum weight allowed for field 1670-# (Package Weight / Shipment Weight) when passed in a 020 Global Ship Request transaction. If the weight entered exceeds the IPF country weight limit for the country in the country.dat file, a soft error is returned. If International Priority Freight is not allowed to this country, then the International Priority country weight limit is checked.
FedEx International Priority DirectDistribution allows up to 2200 LBS to be shipped to most countries. For some countries, the maximum IP weight might be as low as 1 LBS / 0.1 KGS, or as high as 150 LBS / 68 KGS. Most FedEx International Priority DirectDistribution countries accept up to 150 LBS / 68 KGS per piece for both IP and FedEx International Priority DirectDistribution. However, some countries have a maximum weight lower than the 150 LBS / 68 KGS. For example, Malta's IP maximum weight is 70 LBS / 32 KGS per piece, and it does not accept International Priority Freight or FedEx International Priority DirectDistribution Freight.
**IPD/IDF Customs Packing List – Tax ID/Vat# Header**

FSMS prints a Tax ID/VAT# header on the IPD/IDF Customs Packing List for customers using FedEx International Priority DirectDistribution SPOC (single point of clearance). For compliance with EU tax rules, customers who use FedEx International Priority DirectDistribution SPOC and need to provide the recipient's tax ID may do so by using the IPD Customs Packing List.

To print this information on the Customs Packing List, the shipper must pass field 118 (Recipient IRS/EIN/VAT Number) in the 020 Global Ship Request/Reply transaction during the ADD Piece function for FedEx International Priority DirectDistribution, FedEx International Priority DirectDistribution Freight, or FedEx International Priority DirectDistribution /FedEx International Priority DirectDistribution Freight SPOC (single point of clearance). The Recipient IRS/EIN/VAT Number identifies the Value Added Tax (VAT) number entered by the shipper.

If this data is not passed in the 020 Global Ship Request transaction ADD Piece, then the field header prints but there will be no data to the right of the header.
IPD/IED/IDF Transaction Samples

In all three of the following examples, a fictional company called MEMIA, Inc. is the recipient of a FedEx International Priority DirectDistribution shipment from a shipper in Canada. Each example shows a different method for shipping FedEx International Priority DirectDistribution commodities.

Each transaction shares common fields for recipient information, and all three packages in the shipment are identical in size and weight. The fields that describe commodity data are different for each example and reflect the type of method used for shipping commodities. All examples are 020/120 Global Ship Request/Reply transactions that contain valid fields for an FedEx International Priority DirectDistribution/FedEx International Priority DirectDistribution Freight MPS Open Ship "Add Package" transaction.

Example 1: Single Commodity in Transaction Applied to All Tracking Numbers/Pieces

The following is an example of a single commodity within a three (3) package FedEx International Priority DirectDistribution /FedEx International Priority DirectDistribution Freight shipment. The shipping method is FedEx International Priority DirectDistribution /FedEx International Priority DirectDistribution Freight MPS Single Shot Open Ship "Add Package" for the 020 Global Ship Request transaction.

```
```

Note: Because there is only one commodity, there is no multiple occurrence of commodity data fields.

Example 2: Multiple Commodities in Transaction Applied to All Pieces

The following is an example of multiple commodities. The five same commodities – books, pens, pencils, papers and rulers – apply to all three packages in the shipment.

```
```
Example 3: Single Different Commodity on Each Piece in Transaction

The following is an example of an 020 Global Ship Request transaction where there is a single different commodity on each piece within the transaction: that is, 3 pieces with 3 different commodities per piece. The first piece contains Books, the second piece contains Pens, and the third piece contains Pencils.

Example 4: Multiple Commodities Applied Across Pieces

The following is an example of an 020 Global Ship Request transaction where multiple commodities exist within the transaction that shall be applied across pieces: i.e., three pieces with five commodities distributed as follows - the first piece has two commodities (Books & Pens), the second piece has two commodities (Pencils & Paper), and the third piece has one commodity (Rulers).
CHAPTER 13: GENERATING FEDEX SHIPPING FORMS AND REPORTS

FedEx Ship Manager® Server (FSMS) supports your shipping activities by giving you the ability to print or save reports. Reports provide information such as detailed shipment data. You can also or create the customs and manifest documents that are required to ship.

This chapter describes the different types of forms and reports generated by FedEx Ship Manager Server. It includes these topics:

- FedEx Shipping Reports
- Custom Reports
- FedEx Express U.S. Domestic Shipment Reports
- FedEx Ground U.S. and International Reports
- FedEx SmartPost Manifest
- FedEx Express International Reports
- FedEx Transborder Distribution Reports
FedEx Shipping Reports

FedEx Ship Manager Server provides a variety of standardized reports to streamline the management of your shipping operations. In addition to standard FedEx Ship Manager Server reports, you may also use the Ship History Database to create customized reports.

FedEx Ship Manager Server allows you to reprint reports using the Report Viewer Utility, which is included as part of the FedEx Ship Manager Server software installation.

List of Available FedEx Shipping Reports

FedEx Ship Manager Server provides predefined reports for different types of shipping requirements. The following tables show the reports available from FSMS.

FedEx Domestic Reports

Table 13-1 FedEx Domestic Reports

<table>
<thead>
<tr>
<th>Title</th>
<th>Creation Time</th>
<th>Print Formats</th>
<th>Export to Directory</th>
<th>Multiple Copies</th>
<th>Paper Size</th>
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</thead>
<tbody>
<tr>
<td>Domestic Courier Report</td>
<td>Close</td>
<td>RTF, PDF, DOC, TXT</td>
<td>Yes</td>
<td>Yes</td>
<td>8.5&quot; x 11&quot;</td>
</tr>
<tr>
<td>Domestic Invoice Report</td>
<td>Close</td>
<td>RTF, PDF, DOC, TXT</td>
<td>Yes</td>
<td>No</td>
<td>8.5&quot; x 11&quot;</td>
</tr>
<tr>
<td>Domestic Shipments Report</td>
<td>Close</td>
<td>RTF, PDF, DOC, TXT</td>
<td>Yes</td>
<td>No</td>
<td>8.5&quot; x 11&quot;</td>
</tr>
<tr>
<td>Domestic EOD TransOut Report</td>
<td>Close</td>
<td>Export to File Only</td>
<td>Yes</td>
<td>No</td>
<td>8.5&quot; x 11&quot;</td>
</tr>
<tr>
<td>Domestic Express Dangerous Goods 1421C</td>
<td>Ship Time</td>
<td>Multi-ply Form Only</td>
<td>No</td>
<td>Multi-ply copies only</td>
<td>8.5&quot; x 11&quot;</td>
</tr>
<tr>
<td>Domestic FedEx Freight Bill of Lading (BOL)</td>
<td>Ship Time</td>
<td>RTF, PDF, DOC, TXT</td>
<td>Yes</td>
<td>Yes</td>
<td>8.5&quot; x 11&quot;</td>
</tr>
</tbody>
</table>

FedEx International Reports

Table 13-2 FedEx International Reports

<table>
<thead>
<tr>
<th>Title</th>
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<th>Export to Directory</th>
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<th>Paper Size</th>
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</thead>
<tbody>
<tr>
<td>International Courier Report</td>
<td>Close</td>
<td>RTF, PDF, DOC, TXT</td>
<td>Yes</td>
<td>No</td>
<td>8.5&quot; x 11&quot; A4</td>
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<td>International Invoice Report</td>
<td>Close</td>
<td>RTF, PDF, DOC, TXT</td>
<td>Yes</td>
<td>No</td>
<td>8.5&quot; x 11&quot; A4</td>
</tr>
<tr>
<td>International Shipment Detail Report</td>
<td>Close</td>
<td>RTF, PDF, DOC, TXT</td>
<td>Yes</td>
<td>No</td>
<td>8.5&quot; x 11&quot; A4</td>
</tr>
<tr>
<td>International Commercial Invoice</td>
<td>Ship Time</td>
<td>RTF, PDF, DOC, TXT</td>
<td>Yes</td>
<td>No</td>
<td>8.5&quot; x 11&quot; A4</td>
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<td>International Visa Manifest</td>
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<td>Yes</td>
<td>No</td>
<td>8.5&quot; x 11&quot; A4</td>
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<tr>
<td>International Invoice Combined Invoice</td>
<td>Close</td>
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<td>No</td>
<td>8.5&quot; x 11&quot; A4</td>
</tr>
<tr>
<td>International EOD TransOut Report</td>
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<td>RTF, PDF, DOC, TXT</td>
<td>Yes</td>
<td>No</td>
<td>8.5&quot; x 11&quot; A4</td>
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<td>Yes</td>
<td>8.5&quot; x 11&quot; A4</td>
</tr>
<tr>
<td>International Certificate of Origin</td>
<td>Ship Time</td>
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<td>Yes</td>
<td>No</td>
<td>8.5&quot; x 11&quot; A4</td>
</tr>
<tr>
<td>International Express Dangerous Goods 1421C</td>
<td>Ship Time</td>
<td>Multi-ply Form Only</td>
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FedEx Ground Reports

Table 13-3 FedEx Ground Reports

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<th>Paper Size</th>
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<tr>
<td>Ground Pickup Manifest</td>
<td>Close</td>
<td>RTF, PDF, DOC</td>
<td>Yes</td>
<td>No</td>
<td>8.5” x 11”</td>
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<tr>
<td>Ground Multiweight Delivery Detail</td>
<td>Close</td>
<td>RTD, PDF, DOC</td>
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<td>No</td>
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<tr>
<td>Ground Multiweight Package Detail</td>
<td>Close</td>
<td>RTD, PDF, DOC</td>
<td>Yes</td>
<td>No</td>
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</tr>
<tr>
<td>Ground Multiweight Shipment Detail by Postal Code</td>
<td>Close</td>
<td>RTF, PDF, DOC</td>
<td>Yes</td>
<td>No</td>
<td>8.5” x 11”</td>
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<td>Ground Multiweight Shipment by Zone</td>
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<td>Ground Multiweight Shipment C.O.D. Detail</td>
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<td>Ground Multiweight Shipment Declared Value Detail</td>
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<td>No</td>
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<td>Ground Hazardous Materials Certification Report</td>
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<td>RTF, PDF, DOC</td>
<td>Yes</td>
<td>No</td>
<td>8.5” x 11”</td>
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<tr>
<td>Ground Commercial Invoice (OP950)</td>
<td>Ship Time</td>
<td>RTF, PDF, DOC</td>
<td>Yes</td>
<td>Yes</td>
<td>8.5” x 11”</td>
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<td>Ground C.O.D. Report</td>
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<td>No</td>
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<td>Yes</td>
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<tr>
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<td>No</td>
<td>8.5” x 11” A4</td>
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<td>Ground Consolidated Commercial Invoice</td>
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<td>No</td>
<td>8.5” x 11” A4</td>
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<td>Ground NAFTA COO</td>
<td>Ship Time</td>
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<td>8.5” x 11” A4</td>
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<td>Ground Domestic EOD</td>
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<td>RTF, PDF, DOC, TXT</td>
<td>Yes</td>
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</tr>
<tr>
<td>Ground International EOD</td>
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<td>Yes</td>
<td>No</td>
<td>8.5” x 11” A4</td>
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<td>IG/IGD/IGDD CCI</td>
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<td>No</td>
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FedEx Distributor (IPD/IDF) Reports

The FedEx Distributor (IPD/IED) report section is present only if you have contracted for the FedEx International Priority DirectDistribution service and/or FedEx International Economy DirectDistribution Service.

Table 13-4 FedEx Distributor (IPD/IED) Reports

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<tr>
<td>IPD CRN Report</td>
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<td>RTF, PDF, DOC, TXT</td>
<td>Yes</td>
<td>No</td>
<td>8.5” x 11” A4</td>
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<tr>
<td>IPD Customs Packing List</td>
<td>Ship Time</td>
<td>RTF, PDF, DOC, TXT</td>
<td>Yes</td>
<td>No</td>
<td>8.5” x 11” A4</td>
</tr>
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<td>IPD CCI</td>
<td>Ship Time</td>
<td>RTF, PDF, DOC, TXT</td>
<td>Yes</td>
<td>No</td>
<td>8.5” x 11” A4</td>
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<tr>
<td>IPD VISA Manifest</td>
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<td>RTF, PDF, DOC, TXT</td>
<td>Yes</td>
<td>No</td>
<td>8.5” x 11” A4</td>
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<tr>
<td>IDF CRN Report</td>
<td>Close</td>
<td>RTF, PDF, DOC, TXT</td>
<td>Yes</td>
<td>No</td>
<td>8.5” x 11” A4</td>
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<tr>
<td>IDF Customs Packing List</td>
<td>Ship Time</td>
<td>RTF, PDF, DOC, TXT</td>
<td>Yes</td>
<td>No</td>
<td>8.5” x 11” A4</td>
</tr>
<tr>
<td>IDF CCI</td>
<td>Ship Time</td>
<td>RTF, PDF, DOC, TXT</td>
<td>Yes</td>
<td>No</td>
<td>8.5” x 11” A4</td>
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<td>IDF VISA Manifest</td>
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<td>RTF, PDF, DOC, TXT</td>
<td>Yes</td>
<td>No</td>
<td>8.5” x 11” A4</td>
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</table>
**FedEx Transborder Distribution Reports**

The Transborder Distribution Reports section is present only if you have contracted for this service.

**Table 13-5 FedEx Transborder Distribution Reports**

<table>
<thead>
<tr>
<th>Title</th>
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<th>Paper Size</th>
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<td>No</td>
<td>8.5” x 11” A4</td>
</tr>
<tr>
<td>TD CCI</td>
<td>Ship Time</td>
<td>RTF, PDF, DOC, TXT</td>
<td>Yes</td>
<td>No</td>
<td>8.5” x 11” A4</td>
</tr>
<tr>
<td>TD CI for Express/Ground</td>
<td>Ship Time</td>
<td>RTF, PDF, DOC, TXT</td>
<td>Yes</td>
<td>No</td>
<td>8.5” x 11” A4</td>
</tr>
<tr>
<td>TD Domestic Express Courier Report</td>
<td>Close</td>
<td>RTF, PDF, DOC, TXT</td>
<td>Yes</td>
<td>No</td>
<td>8.5” x 11” A4</td>
</tr>
<tr>
<td>TD International Invoice</td>
<td>Close</td>
<td>RTF, PDF, DOC, TXT</td>
<td>Yes</td>
<td>No</td>
<td>8.5” x 11” A4</td>
</tr>
<tr>
<td>TD Ground Manifest</td>
<td>Close</td>
<td>RTF, PDF, DOC, TXT</td>
<td>Yes</td>
<td>No</td>
<td>8.5” x 11” A4</td>
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<tr>
<td>TD Ground Commercial Invoice</td>
<td>Ship Time</td>
<td>RTF, PDF, DOC, TXT</td>
<td>Yes</td>
<td>No</td>
<td>8.5” x 11” A4</td>
</tr>
<tr>
<td>TD International Shipper's Declaration for DG INTL1421C</td>
<td>Ship Time</td>
<td>RTF, PDF, DOC, TXT</td>
<td>Yes</td>
<td>No</td>
<td>8.5” x 11” A4</td>
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**FedEx Dangerous Goods Reports**

**Table 13-6 FedEx Dangerous Goods Reports**

<table>
<thead>
<tr>
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<th>Creation Time</th>
<th>Print Formats</th>
<th>Export to Directory</th>
<th>Multiple Copies</th>
<th>Paper Size</th>
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<tr>
<td>Express Dangerous Goods 1421C</td>
<td>Ship Time</td>
<td>Multi-ply Form Only</td>
<td>No</td>
<td>Multi-ply copies only</td>
<td>8.5” x 11”</td>
</tr>
<tr>
<td>Shipper's Declaration for DG (CA1421C)</td>
<td>Ship Time</td>
<td>RTF, PDF, DOC, TXT</td>
<td>No</td>
<td>No</td>
<td>8.5” x 11” A4</td>
</tr>
<tr>
<td>Shipper's Declaration for Radioactive DG</td>
<td>Ship Time</td>
<td>RTF, PDF, DOC, TXT</td>
<td>No</td>
<td>No</td>
<td>8.5” x 11” A4</td>
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<tr>
<td>Ground OP900</td>
<td>Ship Time</td>
<td>RTF, PDF, DOC, TXT</td>
<td>Yes</td>
<td>No</td>
<td>8.5” x 11” A4</td>
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<td>Ground OP900B</td>
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<td>Yes</td>
<td>No</td>
<td>8.5” x 11” A4</td>
</tr>
<tr>
<td>Ground Commercial Invoice (OP950)</td>
<td>Ship Time</td>
<td>RTF, PDF, DOC</td>
<td>Yes</td>
<td>Yes</td>
<td>8.5” x 11”</td>
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</tbody>
</table>

**Common Reports**

**FedEx Commercial Invoice**

The commercial invoice (CI) is the most common document required to clear non-document packages through Customs. Typically, three copies of the commercial invoice are required for package clearance.

Using FedEx Ship Manager Server, you can customize the commercial invoice to print on your company letterhead (field 2398). You can also use FedEx Ship Manager Server to create your own commercial invoice and file the information with the appropriate Customs office (by coding field 113 as N) or you can let FedEx Ship Manager Server create and upload the commercial invoice information for you (field 113 = Y). If you create your own commercial invoice, the following service details apply.

**Commercial Invoice Service Details**

Commodity information is shipment-level information and NOT package-level information. FedEx only requires commodity information for the shipment as a whole and does not require per package commodity information.

For example, if the same commodity is in multiple packages, the commodity quantity would be the sum of that commodity in all packages, such as three packages with 10 commodities in each is a total of thirty commodities and the entry in field 82 (Commodity Quantity), for that specific commodity, is 30.
FedEx Shipment Summary Report

The FedEx Shipment Summary Report provides a total package count by service for all FedEx Express® and FedEx Ground shipping within a given cycle.

In addition, the Summary Report provides Total Packages Shipped and subtotals for the following categories:

- Domestic FedEx Express
- Domestic FedEx Express Freight
- International FedEx Express
- International FedEx Express Freight
- FedEx Ground®
- FedEx Home Delivery®

End-of-Day Close Reports

FedEx Ship Manager Server generates a group of End-of-Day reports when you Close your shipping day. End-of-Day Close reports are stored in an output directory destination (of your choice) and printed after you successfully complete the 007 End-of-Day Close Request transaction.

Freight Bill of Lading

FedEx Ship Manager Server supports the Bill of Lading (BOL) document for your FedEx Freight shipping needs. It is also available for reprint.

Generated using the 020/120 Global Ship Request/Reply transaction, a Bill of Lading (BOL) prints on the laser printer configured to FedEx Ship Manager Server.

To configure a bill of lading for the United States (U.S.), Canada (CA) and Mexico (MX), use the Bill of Lading option in the Reports tab of the FSMS Configuration Utility.

See the FedEx Ship Manager Server Transaction Coding Reference guide for further information about creating and printing a Bill of Lading.

Custom Reports

You can create custom reports using any ODBC (Open Database Connectivity) connection to the FedEx Ship Manager Server database to retrieve data.

To view the available information in the database, use the Sybase Central Utility. To access this utility from the Windows Start menu, select Programs > Ship Manager Server > Sybase SQL Anywhere 10.0 > Sybase Central.

After Sybase is launched, you may view the FedEx Ship Manager Server databases from Connections > Connect with SQL Anywhere 10. The username is fedexcuser. The password is fxrs.
FedEx Express U.S. Domestic Shipment Reports

You can choose to generate and print any of these FedEx Express U.S. domestic shipment reports:

- Courier Report
- Shipment Report
- Invoice Report
- Domestic End-of-Day (EOD) TransOut Report
- Dangerous Goods (1421C)
- Domestic History Report

**Domestic Courier Report – FedEx Express**

The Domestic Courier Report lists the individual FedEx Express U.S. domestic packages, categorized by service type and weight, which were shipped for a specific invoice number. This report is signed and given to the FedEx courier during package pickup.

This report provides the following information for each FedEx Express U.S. domestic package shipped:

- Ship date
- Tracking number
- Service type
- Billing weight
- Destination postal code
- Package charge amount
- Declared value amount
- Surcharge amount
- Bundling number
- Payment type
- Hold At Location flag
- Saturday Delivery flag
- Dangerous Goods flag
- Billed account number

The billing weights, package counts and package charge amounts are sub-totaled for each service type, and totaled for the entire invoice.
Domestic Shipment Report – FedEx Express

The Domestic Shipment Report lists the individual U.S. FedEx Express domestic packages that were shipped for a specific invoice number. This report provides the following information for each U.S. domestic package shipped:

- Recipient address information
- Tracking number
- Service type
- Payment type
- Declared value amount
- Package shipping weight
- Reference notes

The following totals print at the end of the report:

- Package count
- Package charges
- Discounts received
- Declared value surcharges
- Total charges
- Total weight

Domestic Invoice Report – FedEx Express

The Domestic Invoice Report provides a courtesy rate for U.S. FedEx Express domestic charges for a specific invoice number. The following totals and fields are included in this report:

- Metered package count
- Invoiced package count
- Package charges
- Special fees
- Declared value surcharges
- Fuel surcharges
- Total before discount
- Discounts received

Domestic End-Of-Day TransOut Report – FedEx Express

The Domestic EOD TransOut Report is a text file saved by FedEx Ship Manager Server. This report provides a snapshot of U.S. FedEx Express domestic transactions that were processed and closed.

Note: Field 55 (Bundle Number) of this report provides a bundle number and field 56 (Invoice Number) provides the invoice number for the given shipment.
**Dangerous Goods Shipper’s Declaration Form (1421C) – FedEx Express**

FedEx Ship Manager Server (FSMS) provides the ability to print the FedEx Express Dangerous Goods 1421C multi-ply form. This form is required for all dangerous goods shipping (both domestic and FedEx international) and is printed on a pin-feed printer.

You can configure the 1421C form from the Labels tab of the FSMS Configuration Utility. FSMS generates the dangerous goods 1421C form when you confirm and complete processing of the shipment.

**Domestic Shipping History – FedEx Express**

The Domestic Shipping History is a file named `EXPORT1.TXT`. This file captures 70 days of U.S. FedEx Express domestic shipping transactions and provides definitions for the fields in the FedEx Ship Manager Server Ship History database, including the field name and field type. This field is an excellent resource for understanding and locating information in the Ship History database.

**FedEx Ground U.S. and International Reports**

You can generate these FedEx Ground reports for both U.S. domestic and international shipments:

- Pickup Manifest
- Multiweight Package Detail
- Multiweight Shipment Detail by Postal Code
- Multiweight Shipment Detail by Zone
- Multiweight Shipment C.O.D. Detail
- Multiweight Shipment Declared Value Detail
- Hazardous Materials Certification Report
- Commercial Invoice
- Ground C.O.D. Report

**FedEx Ground Pickup Manifest**

The FedEx Ground Pickup Manifest provides a summary of the packages picked up on a given day to the FedEx Ground courier.

The report provides the courier with the following information:

- Sender’s account number
- Sender’s meter number
- Tracking number for all packages
- C.O.D. amount (if applicable)
- Declared value (if applicable)
- Number of Oversize I packages
- Number of Oversize II packages
- Number of packages requiring additional handling
- Number of residential delivery packages
- Total number of packages
- Pickup number
**Multiweight Package Detail – FedEx Ground**

The Multiweight Package Detail provides package level information for all packages that qualify for Multiweight discounts. This report provides the following information:

- Tracking Number
- Package ID—Either the PO, IN, or CR number designated in the shipping transaction to be used as the package ID for reporting purposes.
- Zone—a zone is a group of postal codes that share the first three digits.
- Actual Weight
- Weight Type (LBS or KGS)
- Multiweight Rated Weight
- C.O.D. amount (if applicable)
- Declared value amount (if applicable)
- Oversize Flag—displayed if the package was Oversize
- Hazardous Materials (HazMat)—displays if the package contains Hazardous Materials

**Multiweight Shipment Detail by Postal Code – FedEx Ground**

The Multiweight Shipment Detail by Postal Code provides shipment level information for all packages that qualify for Multiweight discounts. This report provides:

- Postal Code
- Zone (a zone is a group of postal codes that share the first three digits)
- Service (FedEx Ground or FedEx Home Delivery)
- # of Packages (indicates that number of packages shipped to a specific postal code)
- Actual weight
- Weight Type (LBS or KGS)
- Multiweight Rated Flag
- Oversize Package Flag (displays if the package is designated as “oversize”)
- C.O.D. Package Flag (displays if the package was shipped with C.O.D. request)
- C.O.D. Charge (if applicable)
- Declared Value Units (DVU)—displays the number of DVUs associated with the package (1 DVU for each $100 above $101)
- Declared Value Charge (if applicable)
- Other Charges (displays the sum of any ancillary charges to the package)
- Multiweight Shipping Charge (displays the weight break charge for the shipment to the applicable Zone)
- Total Charge (sum of all charges)
**Multiweight Shipment Detail by Zone – FedEx Ground**

The Multiweight Shipment Detail by Zone provides shipment level information for all packages that qualify for Multiweight discounts. This report provides the following information:

- Zone (a group of postal codes that share the first three digits)
- # of Shipments
- Service (FedEx Ground or FedEx Home Delivery)
- Actual Weight
- Multiweight Rated Weight
- Oversize Package (displayed if the package is designated as “oversize”)
- C.O.D. Package Flag (displayed if the package was shipped C.O.D.)
- C.O.D. Charge (if applicable)
- Declared Value Units (DVU)—displays the number of DVUs associated with the package
  - (1 DVU for each $100 above $101)
- Declared Value Charge (if applicable)
- Other Charges (displays the sum of any ancillary charges to the package)
- Multiweight Shipping Charge (displays the weight break charge for the shipment to the applicable Zone)
- Total Charge (sum of all charges)

**Multiweight Shipment C.O.D. Detail – FedEx Ground**

The Multiweight Shipment C.O.D. Detail provides package level C.O.D. information for all packages that qualify for Multiweight discounts. This report provides:

- Postal Code
- Package ID—Either the PO, IN, or CR number designated in the shipping transaction to be used as the package ID for reporting purposes.
- C.O.D. Amount
- C.O.D. Charge

**Multiweight Shipment Declared Value Detail – FedEx Ground**

The Multiweight Shipment Declared Value Detail provides package level Declared Value (DV) information for all packages that qualify for Multiweight discounts. This report provides:

- Postal Code
- Package ID—Either the PO, IN, or CR number designated in the shipping transaction to be used as the package ID for reporting purposes.
- DV Amount
- DV Charge
OP950 HazMat Certification Report

FSMS now prints a new ‘Packaging Type’ column in the OP950 HazMat Certification Report. This column is the first in the report and contains data that a shipper passes in the new field 4903 (HazMat Package Quantity and Type).

The Identification Number/UN# (field 451) column has been moved to the second column position and the Shipping Name of Material (field 1903) becomes the third column. Refer to Figure 13-1.

Figure 13-1 OP950 HazMat Certification Report Sample

Required Fields for HazMat OP900LL Form Transaction

Table 13-7 lists fields required to set up and print the new HazMat OP900LL form:

Table 13-7 Required Fields To Print HazMat OP900LL Form

<table>
<thead>
<tr>
<th>Transaction</th>
<th>Required Fields</th>
<th>Valid Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>020/120 Global Ship Request/Reply — Single Piece, Open Ship (regular)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1680</td>
<td>DG Printer Form Type Set to value 02 (Laser). The 120 Global Ship Reply transaction returns &quot;Laser&quot; as the Form Type designated for the OP900LL. The form is generated when the shipper confirms the shipment.</td>
</tr>
<tr>
<td></td>
<td>4903</td>
<td>HazMat Package Quantity and Type Number and type of packaging used for the hazardous materials shipment. Valid value is free-form text.</td>
</tr>
<tr>
<td>070/170 Meter Query/Configuration Request /Reply</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1680</td>
<td>DG Printer Form Type Set to value 02 (Laser). The 170 Reply transaction returns &quot;Laser&quot; as the Form Type designated for the OP900LL and displays the &quot;Form Type&quot; field on the Reports tab in the FSMS Configuration Utility.</td>
</tr>
<tr>
<td></td>
<td>1373</td>
<td>Report Code Set to one of these values: 041—Ground OP900LL (requires field 1680 be set to 02 - laser) 060 – Ground OP900B (Printer Only) The 170 Reply transaction sets the printer path designated in field 538 (Report Printer ID) for the Report Code you designate in field 1373. This information is displayed in the &quot;Report Printer ID&quot; field on the Report Settings tab in the FSMS Configuration Utility.</td>
</tr>
</tbody>
</table>
FedEx Ground Commercial Invoice

You can choose to request that FedEx Ship Manager Server generate a FedEx Ground Commercial Invoice for all your FedEx Ground shipments.

You can print and upload the Ground Commercial Invoice by including field 113 (Commercial Invoice Print and Upload Flag) in your FedEx Ground shipping transaction.

FedEx Ground Collect on Delivery Report

The FedEx Ground Collect on Delivery (C.O.D.) Report provides comprehensive information for all FedEx Ground C.O.D. shipments and is printed during the End-of-Day Close shipment process.

This report contains the following information:

- Sender Name and Address
- Package Ship Date
- Account Number
- Tracking Number
- Recipient Name and Address
- Total Packages
- C.O.D. Type
- C.O.D. Return Amount
- C.O.D. Tracking #
- Reference
- Actual Weight
- Charges

Both Collect on Delivery (C.O.D.) and Electronic Collect on Delivery (E.C.O.D.) shipments are included in this report.

The FedEx Ground C.O.D. Report does not print during Close if there are no FedEx Ground C.O.D. shipments in the Close cycle.
Destination Control Statements

The Destination Control Statement (DCS) must accompany all shipments from the U.S. to their final destination abroad. The DCS must be entered on the invoice and bill of lading, air waybill or other export control document, such as the commercial invoice, label, packing slip and certificate of origin.

FedEx provides the Destination Control Statement for the commercial invoice and the FedEx label as part of the following FedEx Express International services:

- FedEx International First®
- FedEx International Priority®
- FedEx International Economy®
- FedEx International Priority® Freight
- FedEx International Economy® Freight

Note: A shipper may be required to use a specific type of Destination Control Statement based on the type of export commodities in the shipment. This regulation applies also to all export shipments sent from any country where the exporter is incorporated as a U.S. company.

The Department of State (DOS) Destination Control Statement reads as follows:

“These commodities are authorized by the U.S. Government for export only to <country code(s)> for use by <specified end user>. They may not be transferred, transshipped, or otherwise disposed of in any other country, either in their original form or after being incorporated into other end-items, without prior approval of the relevant U.S. government agency.”

The country code and end user information used in this statement is provided by two new fields: DOS Country Code(s) (field 1326) and DOS End User (field 3127). The new DCS Type — Destination Control Statement Print Type (field 3125) determines the type of label and associated export documents on which the statement is printed.

Use the fields in Table 13-8 to print the Commerce Destination Control Statement on labels and associated export documents when a FedEx Express U.S. export shipment is not controlled by the Department of State.
FedEx SmartPost Manifest

You can close your FedEx SmartPost® shipments and create a SmartPost manifest at any time. You can carry over shipping from the previous day or for several days. When you close your SmartPost shipments, you can create a separate manifest for each Meter number associated with a SmartPost Hub ID if you have configured this association in the FSMS Configuration Utility dialog in the Meter Settings tab.

**FedEx SmartPost Manifest**

During a FedEx SmartPost End-of-Day Close Request, FedEx Ship Manager Server creates an electronic manifest file and uploads it to FedEx SmartPost for billing. This manifest contains the detailed record data of all the FedEx SmartPost packages shipped since the last Close. Because the manifest is critical for the success of your FedEx SmartPost shipping, it is important to perform a Close at the appropriate time.

**Manifest Service Details**

- You must create an electronic manifest for FedEx SmartPost shipments on a trailer-by-trailer basis. For example, you can create FedEx SmartPost shipments on a daily basis until you process all packages filling a trailer.
- You cannot ship more than 99,999 packages per manifest. Even in cases where a trailer is not filled and you have reached the maximum number of packages, you must perform a close.
- To fill the remainder of the trailer, create a new manifest for the remaining portion of the shipment.
FedEx Express International Reports

You can generate these FedEx Express International reports:

- International Courier Report
- International Invoice Report
- International End-of-Day (EOD) TransOut Report
- Commercial Invoice (CI)
- Express International Visa Manifest
- International Dangerous Goods (1421C)
- Proforma Invoice
- Certificate of Origin
- International Shipment Report
- Certificate of Origin – FedEx Express and FedEx Ground

**International Courier Report – FedEx Express**

The International Courier Report lists the individual FedEx International packages, categorized by service type, that were shipped for a specific invoice number. The package counts and package charge amounts are sub-totaled for each service type, and totaled for the entire invoice. This report provides the following information for each FedEx International package shipped:

- Ship date
- Tracking number
- Service type
- Billing weight
- Shipped to city name
- Shipped to country code
- Package charge amount
- Hold at Location (HAL) flag
- Saturday Delivery flag
- Dangerous Goods flag
- Payment type
- Billed account number
- Reference notes

**International Invoice Report – FedEx Express**

The International Invoice Report provides a courtesy rate for a specific invoice number for FedEx International shipments. The following totals are included in this report:

- Metered shipment count
- Invoiced shipment count
- Package charges
- Special fees
- Total before discount
- Discounts received
International End-Of-Day TransOut Report – FedEx Express

The International EOD TransOut report is actually a text file that is saved by FedEx Ship Manager Server. The EOD Transout report provides a snapshot of FedEx International transactions that were processed and closed.

International Commercial Invoice (CI) – FedEx Express

You can request to have FedEx Ship Manager Server generate the International Commercial Invoice for all non-document FedEx International shipments.

You may choose to print and upload the International Commercial Invoice by including field 113 (Commercial Invoice Print and Upload Flag) in your FedEx International shipping transaction.

Express International Visa Manifest Report

The Express International Visa Manifest Report provides information for all FedEx International packages that are shipped and must be given to the FedEx courier when packages are picked up.

The Express International Visa Manifest Report provides the following information for each FedEx International package that is shipped:

- Sender’s account number
- Reference information
- Origin
- Destination
- Recipient’s account number, phone number, name, company, address, city, state/province, country and postal code
- Broker’s name, city, country, phone number and postal code
- Service type
- Special handling codes (Hold at Location, Saturday Delivery and Dangerous Goods)
- Billing information
- Account number
- Country code
- Weight
- Manufacturing code
- Currency type
- Carriage value
- Customs value
- Exporter’s License and Date
- Description(s)
- MPS information

The following totals appear at the end of the report:

- Single shipments
- MPS shipments
- Shipments
- Packages
International Dangerous Goods (1421C) – FedEx Express

FedEx Ship Manager Server provides the ability to print the FedEx Express International Dangerous Goods 1421C multi-ply form. This form is required for all dangerous goods shipping (both Domestic and International) and is printed on a pin-feed printer. You can configure the 1421C form in the Labels tab of the FSMS Configuration Utility. The dangerous goods 1421C is produced at the time the shipment is confirmed/processed by FedEx Ship Manager Server. See Chapter 3: FedEx Ship Manager Server Label and Form Transactions for more information about the dangerous goods 1421C form.

International Pro Forma Invoice

You may choose to use the International Pro Forma Invoice instead of the Commercial Invoice report. The Commercial Invoice and Pro Forma Invoice are mutually exclusive.

Although you can generate multiple copies, only one of these invoice types can apply.

Note: Shipments to Canada require a Commercial Invoice. See field 2404 (Shipment Documentation Flag) in the FedEx Ship Manager Server Transaction Coding Reference guide for information about how to create a Pro Forma Invoice.

Certificate of Origin – FedEx Express and FedEx Ground

A Certificate of Origin may be generated by FedEx Ship Manager Server upon request. This additional document for customs may be flagged in the 2404 (Shipment Documentation Flag) field.

See the FedEx Ship Manager Server Transaction Coding Reference guide for information about using this field.

International Shipment Report – FedEx Express

The International Shipment Report lists the individual FedEx International packages that were shipped for a specific invoice number. This report provides the following information for each FedEx International package shipped:

- Recipient address information
- Tracking number
- Service type
- Carriage value
- Package shipping weight
- Payment type
- Reference notes

The following information appears for MPS packages:

- Master Tracking Number
- MPS Tracking Number

The following totals appear at the end of the report:

- Package count
- Package charges
- Discounts received
- Total charges
International Shipping History – FedEx Express

The International Shipping History is a file named EXPORT2.TXT that is saved by FedEx Ship Manager Server. This file captures 70 days of U.S. FedEx Express International shipping transactions and provides definitions for the fields in the FedEx Ship Manager Server Ship History database, including the field name and field type. This field is an excellent resource for understanding and locating information in the Ship History database.

IPD/IED/IDF Reports

IPD/IED/IDF Reports are available using the FSMS Report Viewer Utility if you contracted with FedEx for these optional services.

A shipper can generate the following reports for FedEx International Priority DirectDistribution® (IPD), FedEx International Economy DirectDistributionSM service (IED) or FedEx International Priority DirectDistribution® Freight (IDF) shipments:

• Consolidated Commercial Invoice (CCI)
• CRN Report
• Packing List
• VISA Manifest

Certificate of Origin – FedEx Express and FedEx Ground

A Certificate of Origin may be generated by FedEx Ship Manager Server upon request. This additional document for customs may be flagged in the 2404 (Shipment Documentation Flag) field.

See the FedEx Ship Manager Server Transaction Coding Reference guide for information about using this field.
FedEx Transborder Distribution Reports

FedEx Transborder Distribution Reports are available using the FSMS Report Viewer Utility if you contracted with FedEx for these optional services. FedEx Ship Manager Server provides all of the necessary reports for managing your Transborder Distribution shipping activity. It supports these standard Transborder Distribution reports.

- Transborder Distribution Consolidated Commercial Invoice (CCI)
- Transborder Distribution Commercial Invoice
- Transborder Distribution Ground Pick-up Manifest
- Transborder Distribution Express Courier Report

Each report may be configured individually and saved in any directory or printed on the printer configured in the FSMS Configuration Utility. Instructions for configuring a printer for reporting are provided in this guide. Note: When selecting an output type for reports, you cannot select the TXT format, which is not supported for Transborder Distribution reports. If you selected TXT as your default output format during installation, contact your FedEx customer support representative to change your configuration.

- Customs Use Only
- PAPS Manifest, Page Two

Page two (and all subsequent pages) of the PAPS Manifest provide individual package information for the Transborder Distribution shipment (whose summary information prints on page one of the PAPS Manifest).

- Shipment Requiring Entry
- Air Waybill (AWB)
- Manifest Totals

Transborder Distribution Consolidated Commercial Invoice

Below is a review of each section of the FedEx Transborder Distribution Consolidated Commercial Invoice (CCI).

TD CCI Header

The CCI header provides the following shipment information:

- Ship Date
- International Air Waybill Number—Master air waybill (MAWB) tracking number for the shipment
- Invoice Number—FSMS-generated invoice number for the shipment

TD CCI Shipment Summary

The summary section which prints after the CCI header information provides this shipment level information:

- Shipper—identification of shipper from your FedEx Ship Manager Server shipper record
- Consignee—FedEx location where the Transborder Distribution shipment is cleared by Customs
- Broker—broker identification if you use a broker other than FedEx
- Importer of Record—importer identification if an importer other than the shipper is used
- Package Summary—totals for the TD shipment, including Weight, Currency Type and CRNs
- Layout—groups the commodity and organizes it in a logical manner. The criteria for grouping commodities are exact matching values of the following fields:
  - Description
  - Country of Manufacture
  - Unit of measure
Following the CCI summary section is the individual package information identifying each package in the Transborder Distribution shipment. This information is entered as part of the Transborder Distribution 020 Global Ship Request transaction and is required to clear packages through Customs.

**CCI Totals**

FedEx Ship Manager Server totals all package values for the Transborder Distribution shipment and reports these totals at the bottom of the CCI. These totals include:

- Total Shipment Weight—total weight of all packages in the Transborder Distribution shipment
- Total Express Weight—total weight of packages to be shipped using FedEx Express after packages have cleared Customs. When added to the Total Ground Weight, the sum equals the Total Shipment Weight.
- Total Ground Weight—total weight of packages to be shipped using FedEx Ground after packages have cleared Customs. When added to the Total Express Weight, the sum equals the Total Shipment Weight.
- Total Commodity Value—total declared commodity value of all packages in the Transborder Distribution shipment
- Incoterm—terms of sale for the shipment. For example: if FOB/FCA is selected, this indicates Free on Board/Free Carrier as the terms of sale.
- Freight—total freight charges for the shipment
- Insurance—insurance costs for the shipment
- Other—total of any ancillary charges incurred for shipping
- Total Invoice Value—total value derived from the sum of Total Commodity Value, Freight, Insurance, and Other.

**Transborder Distribution Commercial Invoices**

FedEx Transborder Distribution supports two types of commercial invoices.

- Consolidated commercial invoice
- Standard commercial invoice

**Consolidated Commercial Invoice**

The Transborder Distribution consolidated commercial invoice (CCI) provides one commercial invoice for all of the packages in a Transborder Distribution shipment. The consolidated commercial invoice is printed at the shipment level when you CONFIRM the shipment.

**Standard Commercial Invoice**

You may also choose to print a separate commercial invoice for each package in a Transborder Distribution shipment. In this case, a standard commercial invoice is printed at the package level when you CONFIRM the shipment.
CHAPTER 14: FEDEX SHIP MANAGER
SERVER UTILITIES

FedEx Ship Manager® Server (FSMS) includes utilities to help
you manage the FedEx Ship Manager Server database, tracking
numbers, labels, invoices, revenue and reports.

This chapter describes the following FSMS utilities:

• Custom Label Generator Utility
• Demand Download Utility
• GoToAssist Utility
• Ground Rates and Discounts Utility
• Label Reprint Utility
• Meter Registration Utility
• Report Viewer Utility
• Ship Manager Server Console
About FSMS Utilities

FedEx Ship Manager Server utilities assist you to manage shipping labels, updates to data files, discount rates for FedEx Ground and Home Delivery, obtaining new meters and generating reports. The FSMS utilities are listed in Table 14-1.

Please see your FedEx customer integration consultant (CIC) for information about a FedEx transaction verification tool called TransEdit.

Table 14-1 At-A-Glance FSMS Utilities

<table>
<thead>
<tr>
<th>Utility</th>
<th>Description</th>
<th>See...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Custom Label Generator Utility</td>
<td>Produces and prints a custom non-shipping label using the following label formats: 4” x 6” doc tab, 4” x 6” (non-doc tab), 4” x 8” and 4” x 9”.</td>
<td>Page 3</td>
</tr>
<tr>
<td>Demand Download Utility</td>
<td>Automatically updates several data files for routing, rating and tracking number management, as well as software updates.</td>
<td>Page 5</td>
</tr>
<tr>
<td>GoToAssist™</td>
<td>Facilitates remote access support for FSMS.</td>
<td>Page 6</td>
</tr>
<tr>
<td>Ground Rates and Discounts Utility</td>
<td>Configures discount rates for FedEx Ground and FedEx Home Delivery shipping. Rates can be configured for Base discount, Matrix discount, Multi-weight discount and Accessorial surcharges.</td>
<td>Page 7</td>
</tr>
<tr>
<td>Label Reprint Utility</td>
<td>Reprints labels and Future Day shipment labels up to 48 hours ahead of the ship date.</td>
<td>Page 18</td>
</tr>
<tr>
<td>Meter Registration Utility</td>
<td>Assists you to obtain new meter numbers for your FSMS software.</td>
<td>Page 20</td>
</tr>
<tr>
<td>Report Viewer Utility</td>
<td>Generates FSMS reports using information in the FSMS database.</td>
<td>Page 22</td>
</tr>
<tr>
<td>Ship Manager Server Console</td>
<td>Use to view information about FSMS and configure alert messages for delivery using e-mail or over a TCP/IP port.</td>
<td>Page 27</td>
</tr>
</tbody>
</table>
Custom Label Generator Utility

The Custom Label Generator Utility allows you to produce and print a custom non-shipping label using the following label formats: 4" x 6" doc tab, 4" x 6" (non doc tab), 4" x 8", and 4" x 9". The utility generates an XML file for your custom labels. You can create both thermal and plain paper labels.

Figure 14-1 shows the FedEx Ship Manager Server Custom Label Generator Utility user interface.

**Figure 14-1 Custom Label Generator**

To use the Custom Label Generator Utility

1. Open the Custom Label Generator Utility and design your label.
2. Select the FSMS fields you want to use from the left-side panel and format them in the label window on the right.
   
   Note: You must use different files for thermal and plain paper labels. Use the Format value on the Properties dialog (select File > Properties in the utility menu bar) to differentiate the files.
3. Save the XML file you've generated to the FedEx\FedEx_Label\Custom folder. For example, you might save the file as Custom1.xml.
4. Add the XML file to the FedEx\FedEx_Label\Custom\customlayout.dat file.
5. Stop and start the Open Ship and Printing Services.
6. Run the 020 Global Ship Request transaction using fields 1980 (XML Non-Shipping Label) and field 2444 (Non-Shipping Label Flag). Set the value in field 1980 to the file name of the generated XML file. Set the value in field 2444 to Y. See the sample transaction below.
   
   Note: Use the “thermal” version of the XML file for thermal labels and use the “paper” version of the XML file for plan paper labels.
   
   Note: Be sure that the secondary customized label formats (font, ASTRA barcode, and so forth) are properly selected to get the correct label output. Custom labels are not FedEx shipping labels and are used to print customer-selected information on labels that may accompany the normal FedEx shipping label. If you are interested in creating custom shipping labels, contact your FedEx account representative. Custom shipping labels must be approved by FedEx to ensure they can be ready by FedEx automation devices.
FedEx Express U.S. Request for Custom Label Transaction

0,"020","Auto Step 001 DOM PO YP","10","11","Custom Label on FXRS084X builds","12","Auto Step 001","13","387 Main Street","14","FEDEX PARKWAY","15","New York","16","NY","17","10001","18","1234567890","20","23","1","24","25","Custom Label on FXRS084X builds","26","100","50","US","75","lbs","117","US","187","PNG","498","999","MP HASIS BFL","116","IN","1273","01","1274","01","1670","100","1980","Custom1.xml";244","Y","99",""
Demand Download Utility

FedEx Ship Manager Server (FSMS) requires several data files for routing, rating and tracking number management, as well as software updates that must be transmitted between your FSMS client and FedEx as changes occur to these files. These files are automatically updated and downloaded to your server during system reconcile. Reconcile occurs during the end-of-day Close at which time your shipping data is uploaded to FedEx and data files from FedEx are downloaded to your FSMS client.

If you need to have files updated prior to system reconcile (for example, if you need a new tracking number range), you may use the Demand Download Utility to initiate the request.

To run the Demand Download Utility

1. Navigate to the FedEx Ship Manager Server folder on your desktop and double-click the Demand Download icon.
2. The FedEx Demand Download dialog box displays.

3. Select the files you want downloaded by checking the checkbox beside any of the following files:
   - Express Domestic Rates/Discounts
   - Express International Rates/Discounts
   - ODA/OPA
   - Express Earned Discounts
   - EU Postal Surcharge
   - Express Domestic List Rates
   - Express International List Rates
   - Ground Earned/Discount Rates
   - URSA Table—available only for the master meter
   - ESRG Data
   - Software
   - Tracking Numbers—available only for FedEx Express shipping
   - Shipping Tables
   - Maintenance—available only for the master meter
   - Ground List Rates

Note: Files available only for the master meter are system-level components and are not meter-specific.
4 In the **Meter/Account** list at the bottom, you can select the meter (if multiple meters area available) for which you want to activate a download. URSA Table, Software, Shipping Tables, and Maintenance items are loaded for the master meter only. You can download FedEx Express rates and tracking numbers, if necessary, for each individual meter in your list (both master and child).

5 Click **Start** to download the selected files.

6 FedEx Ship Manager Server displays the **FedEx Download Status** window so that you can monitor the progress of your download.

7 Click **Exit**.

   Note: FedEx Ship Manager Server does not recognize the downloaded files until you exit the Demand Download Utility.

---

**GoToAssist Utility**

To facilitate remote access support for FedEx Ship Manager Server, FedEx has implemented the GoToAssist tool.

FedEx Help Desk representatives initiate and execute the GoToAssist process remotely access to an FSMS client. When instructed by a FedEx customer service representative, navigate to the FedEx Ship Manager Server folder on the desktop and double-click on the **HelpMe FedEx** icon to establish a GoToAssist connection.

GoToAssist is an Internet-based technology that enables help desk representatives to deliver live technical support anywhere in real-time. With this technology, a representative has the ability to complete the following tasks on your computer:

- Communicate using a Chat window
- View your desktop or allow you to view the Help Desk representative's desktop
- Use the pointer tools (draw, highlight and laser) on the shared desktop
- Share control of mouse and keyboard
- Push web pages
- Send and receive files
- Transfer a session to an escalation desk
- Use diagnostic tools to retrieve key information about the status of the target computer

**System Requirements**

Customer system:

- Required: Internet Explorer or Netscape Browser 4.0 or higher
- Required: 28.8Kbps or greater connection, 56K recommended
- Recommended: Pentium-class PC running Windows 95, 98, 2000, Me, NT 4.0 or XP
- Recommended: Ability to make direct outgoing TCP connections or availability of an HTTP proxy or a SOCKS server

GoToAssist with Local Screen Sharing/Viewing enabled:

- Required: Windows 95 (WinSock 2 recommended), 98, 2000, Me, NT 4.0 or XP
- Recommended: Minimum of Pentium 300 with 64MB of RAM
- Recommended: Stable Internet connection with 56K or better
- Recommended: Ability to make direct outgoing TCP connections or availability of an HTTP proxy or a SOCKS server
Ground Rates and Discounts Utility

Use the Ground Rates and Discounts Utility to configure the following discount rates for FedEx Ground® and FedEx Home Delivery® shipments:

- Base discount
- Matrix discount
- Multiweight discount
- Accessorial surcharges

Discounts are specific to each FedEx account. Therefore, if you have multiple meters sharing an account number, you enter discount rates only once for the account.

Note: You should configure rates only with the assistance and/or approval of your FedEx account executive.

Opening the Ground Rates and Discounts Utility

You access the Ground Rate and Discounts Utility from your desktop Start menu.

To edit the FedEx Ground and Home Delivery discount rates

1. Click Start > All Programs > FedEx Ship Manager Server > Utilities > Rate Discount Utility. The Rates and Discounts window displays.
2. In Account Number, use the drop-down menu to select a number.
   - If the account number with which you need to work is not displayed in the list, click Add and follow the prompts to add an account number.
3. In Choose table to update, use the drop-down menu to select the Base Discount table.
4. Click Add or View/Modify.
5 The **Base Discount** window opens. Items in Bold are required. If an item appears dimmed, it is unavailable.

6 In **Account Number**, verify that the displayed FedEx account number is correct. You cannot edit this field.

   Note: If the account number is incorrect, click **Cancel** and return to the Rates and Discounts screen to select or add the correct account number (Step 2).

   – **Account Number**—shows account number for which discounts are configured. This is not an editable field.
   – **Service Code**—displays service code for which discounts are configured. This code is composed of three parts: the origin, the destination and the service.
     - Valid origin and destinations are US, CA, MX, PR, HI, and AK.
     - Valid services are G (Ground) and H (Home Delivery).
   – **Zone**—displays zone to which the discount applies.
   – **Country Code**—displays origin country code. This defaults to the country code of the meter and does not need be changed.
   – **Discount Percentage**—enter the discount percentage. The percentage can accept a single decimal place; for example: 10.5%.

7 Click **Add** or **OK** to accept and exit or **Cancel** to cancel and exit.
Adding FedEx Ground Customer Profiles

Ground Customer Profile settings link the Base Rate and Extra Services within the Discount Rates. If Ground Customer Profile is not configured, this account will not receive discounted rates in the rate quote.

To add or change FedEx Ground customer profiles

1. From the Rates and Discounts window select Ground Customer Profile.
2. Click Add or View/Modify.

The Ground Customer Profile window opens. Items in Bold are required. If an item appears dimmed, it is unavailable.

3. Add, change, or review the Ground Customer Profile items as follows:
   - **Account Number**—shows account number for which discounts are configured. This is not an editable field.
   - **Ship Country Code**—displays origin country for the shipment. This defaults to the origin country of the meter.
   - **Rating, Ground Extra Services, and Home Delivery Extra Services Table Codes**—These are unique numbers assigned to each account number. Select these in sequential order for each account to add. For the first account number select R001, G001, H001; for the second select R002, G001, H001, and so on. Selecting R001 automatically populates G001 and H001. Rates are account-specific, so if an account is shared by multiple meters, you only need to specify the discounts.
   - **Domestic Dimensional Divisor**—See the following description.
   - **International Dimensional Divisor**—Dimensional weight is a calculation of a shipment’s weight based on volumetric standard instead of actual weight. Dimensional weight is calculated by multiplying the length by width by height of each package in inches or centimeters and dividing by a dimensional divisor. The dimensional divisor varies by service offering and unit of measure (inches or centimeters). For domestic shipments measured in inches, the divisor is 194, for U.S. export shipments measured in inches, the divisor is 166. For Canadian origin or international shipments measured in inches, the divisor is 166, in centimeters, the divisor is 6,000. Contact FedEx customer service for details.
   - **Over Size / Dimensional Flag (O/D)**—indicates if a FedEx Ground or FedEx Home Delivery package meets an Oversize condition.

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
<th>Package Conditions</th>
<th>FedEx Ground</th>
<th>FedEx Home Delivery</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>OS I</td>
<td>if length+girth is &gt; 84” and &lt;109” and weight is &gt;30 LBS</td>
<td>if length+girth is &gt; 84” and &lt;109” and weight is &lt;30 LBS</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>OS II</td>
<td>if length+girth is &gt;108” and &lt;131” and weight is &lt;50 LBS</td>
<td>if length+girth is &gt;108” and &lt;131” and weight is &lt;50 LBS</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>OS III</td>
<td>if length+girth is &gt;130” and &lt;166” and weight is &lt;150 LBS</td>
<td>if length+girth is &gt;130” and &lt;166” and weight is &lt;70 LBS</td>
<td></td>
</tr>
</tbody>
</table>

4. Click Add to save changes, OK to accept and exit or Cancel to cancel and exit.
Adding Base Discounts

To add or change FedEx Ground base discounts

1 From the **Choose table to update** list, select the **BaseDiscount** table.
2 Click **Add** or **View/Modify**.
   
The **Base Discount** window opens. Items in Bold are required. If an item appears dimmed, it is unavailable.
3 Add, change, or review the Base Rate items as follows:
   
Enter custom Base Rates that differ from standard FedEx Ground rates provided with FedEx Ship Manager Server. All discounts are applied to the custom Base Rate.
   
   – **Account Number**—shows account number for which discounts are configured. This is not an editable field.
   
   – **Service Code**—displays service code for which discounts are configured. This code is composed of three parts: the origin, the destination, and the service.
   
   • Valid origin and destinations are US, CA, MX, PR, HI, and AK.
   
   • Valid services are G (Ground) and H (Home Delivery).
   
   – **Zone**—displays zone to which the discount applies.
   
   – **Country Code**—shows origin country code. This defaults to the country code of the meter and does not need to be changed.
   
   – **Discount Percentage**—enter the discount percentage. The percentage can have a single decimal place; for example: 10.5%.

4 Click **Add** to save changes, **OK** to accept and exit, or **Cancel** to cancel and exit.
Adding Base Rates

To add or change base rates

1 From the Rates and Discounts window select BaseRate. The Rates and Discounts window displays the Discount Tables panel, populated according to current rate and discount settings.

2 Click Add or View/Modify to continue or highlight a row and click Delete to remove that record.
   If you clicked Add or View/Modify, the Base Rate window opens. Items in Bold are required. If an item appears dimmed, it is unavailable.

3 Add, change, or review the Base Rate items as follows:
   Enter custom Base Rates that differ from standard FedEx Ground rates provided with FedEx Ship Manager Server. All discounts are applied to the custom Base Rate.
   – Account Number—Account number displayed is the account number for which discounts are configured. This is not an editable field.
   – Rating Table Code—Code is from the Customer Profile table. Do not change this value.
   – Origin Country Code—Origin country code. This defaults to the country code of the meter and does not need to be changed.
   – Zone Number—Zone for which the discount applies.
   – Weight—Enter the threshold weight at which the custom Base Rate applies.
   – Base Rate—Rate to apply to packages of the given weight.

4 Click Add to save changes, OK to accept and exit, or Cancel to cancel and exit.
Adding Extra Services / Discounted Accessorials

To add or change extra services / discounted accessorials

1. From the Rates and Discounts window select Extra Services.
2. Click Add or View/Modify.

The Extra Services / Discounted Accessorials window opens. Items in Bold are required. If an item appears dimmed, it is unavailable.

3. Add, change, or review the Extra Services / Discounted Accessorials items as follows:

   Only FedEx Ground or FedEx Home Delivery discounts can be configured in a single session. They cannot be configured simultaneously. To configure accessorials for a second account or service (FedEx Ground or FedEx Home Delivery), add a new record to configure additional accounts or services (FedEx Ground or FedEx Home Delivery).
   - Account Number—The account number displayed is the account number for which discounts are to be configured. This is not an editable field.
   - Extra Services Code—This is carried over from the Customer Profile table. Do not change this value.
   - Origin Country Code—The origin country code. This defaults to the country code of the meter and does not need to be changed.
   - Destination Country Code—The destination country code.
   - Operating Company—Select G (Ground) or H (Home Delivery).

4. Enter the rate or the percentage to apply to the accessorial.
5 Click **More Accessorials**… to display the next set of items.

6 At the last window you can click **Back to Main** to return to the original window.

7 Click **Add** to save changes, **OK** to accept and exit, or **Cancel** to cancel and exit.
Adding Matrix Discounts

To add or change matrix discounts

1. From the Rates and Discounts window select Matrix Discount.
2. Click Add or View/Modify.

The Matrix Discount window opens. Items in Bold are required. If an item appears dimmed, it is unavailable.

3. Add, change or review the Matrix Discount items as follows:

   - **Account Number**—shows account number for which discounts are configured. This is not an editable field.
   - **Service Code**—displays service code for which discounts are configured. This code is composed of three parts: the origin, the destination, and the service.
     - Valid origin and destinations are US, CA, MX, PR, HI, and AK.
     - Valid services are G (Ground) and H (Home Delivery).
   - **Zone**—displays zone to which the discount applies.
   - **Country Code**—shows origin country code. This defaults to the country code of the meter and does not need to be changed.
   - **From Weight and To Weight**—Matrix discounts are applied across weight bands (e.g. From 0 pounds To 10 pounds, From 11 pounds To 20 pounds, etc.) Different discount percentages may be configured for a single zone for each From/To pair.
   - **Discount Percentage**—enter the discount percentage for the weight band. The percentage can have a single decimal place; for example: 10.5%.

4. Click **Add** to save changes, **OK** to accept and exit, or **Cancel** to cancel and exit.
Adding Minimum Charges

To add or change minimum charges

1. From the Rates and Discounts window select MinimumCharge.

2. Click Add or View/Modify.

The Minimum Charge window opens. Items in Bold are required. If an item appears dimmed, it is unavailable.

3. Add, change, or review the Minimum Charge items as follows:

   Minimum Charge is a pricing program independent from other discounts. This table does not need to be configured to receive discounts. Do not configure this table unless you are participating in this pricing program.

   - **Account Number**—shows the account number for which minimum charges are configured. This is not an editable field.
   - **Service Code**—displays service code for which discounts are configured. This code is composed of three parts: the origin, the destination, and the service.
     - Valid origin and destinations are US, CA, MX, PR, HI, and AK.
     - Valid services are G (Ground) and H (Home Delivery).
   - **Zone**—displays zone to which the discount is to apply.
   - **Country Code**—displays origin country code. This defaults to the country code of the meter and does not need to be changed.
   - **Rate**—enter the minimum rate to apply to all shipments within the specified Zone.

4. Click Add to save changes, OK to accept and exit, or Cancel to cancel and exit.
Adding FedEx Ground Multiweight Discounts

To add or change FedEx Ground Multiweight discounts

1. From the Rates and Discounts window select MultiWeight.
2. Click Add or View/Modify.

The MultiWeight window opens. Items in Bold are required.

3. Add, change, or review the Multiweight Discount items as follows:

   Note: The MultiWeight screen now combines the previously separate Customer Header and Customer Detail screens that existed before.

   - **Account Number**—shows account number for which discounts are configured. This is not an editable field.
   - **Service Code**—displays service code for which discounts are configured. This code is composed of three parts: the origin, the destination, and the service.
     - Valid origin and destinations are US, CA, MX, PR, HI, and AK.
     - Valid services are G (Ground) and H (Home Delivery).
   - **Zone**—displays zone to which the discount is to apply.
   - **Country Code**—displays origin country code. This defaults to the country code of the meter and does not need to be changed.
   - **From Weight and To Weight**—Matrix discounts are applied across weight bands (for example: From 0 pounds To 10 pounds, From 11 pounds To 20 pounds, etc.) Different discount percentages may be configured for a single zone for each From/To pair.
   - **Deficit Weight**—displays weight at which a shipment qualifies for a Multiweight discount if different from the default weight of 200 pounds.
   - **Net Rate**—displays the “per 100 Lb” rate to apply to the shipment. For example. $14USD indicates that the Net Rate is $14/100 pounds.

4. Click Add to save changes, OK to accept and exit, or Cancel to cancel and exit.
Adding Oversize Exceptions

Oversize exceptions override the default weight at which oversize conditions apply.

To add or change oversize exceptions
1. From the Rates and Discounts window select Oversize Exceptions.
2. Click Add or View/Modify.

   The Oversize Exceptions window opens. Items in Bold are required. If an item appears dimmed, it is unavailable.

3. Add, change, or review the Oversize Exceptions items as follows:
   - **Account Number**—Account number displayed is the account number for which discounts are to be configured. This is not an editable field.
   - **Oversize Type**—Oversize condition for which the default value is changed: OV1 (OS I), OV2 (OS II), or OV3 (OS III).
   - **Oversize Lbs**—New weight in pounds at which the specified oversize condition applies.
   - **Oversize Kgs**—New weight in kilograms at which the specified oversize condition applies.

4. Click Add to save changes, OK to accept and exit, or Cancel to cancel and exit.
Label Reprint Utility

The Label Reprint Utility allows you to reprint FedEx labels. These labels remain in the Reprint database for up to 48 hours after the ship date before they are purged.

Alternately, you can use the 095 Label Reprint Request transaction to reprint labels. The fields required for this transaction are provided in the FedEx Ship Manager Server Transaction Coding Reference guide.

The reprint function allows you to:

- Reprint a label up to a maximum of 48 hours from the ship date, but the calendar day for the reprint must be no greater than the day after the ship date. For example, if you ship a two-package FedEx Express International shipment on 12/15/05 at 16:30 (4:30 PM), you have up to 22:59 (11:00 PM) of the entire next day (12/16/05) to reprint the label.

- Reprint Future Day shipment labels using the same time frame. You can reprint a Future Day shipment label until the ship date. Then, you still have up to a maximum of 48 hours from the ship date and time (up to the next calendar day from the ship date) to reprint the label.

To reprint a FedEx label

1. Navigate to the FedEx Ship Manager Server folder on your desktop.

2. Double-click the Reprint Label Utility icon.

   The Reprint Label Utility window displays listing all shipments available for label reprint ordered by tracking number.

3. In the Meter Number list, choose the number of the meter from which you shipped the label to be printed.

4. All the shipments that were created within the last 48-hour reprint period display in the Tracking Number list. Highlight the tracking number of the shipment whose label you want to reprint.
5 Select the output source for the label from the following options:

<table>
<thead>
<tr>
<th>For this label format…</th>
<th>Click the printer icon in this field and select a printer.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plain paper (non-thermal) label</td>
<td>Laser field</td>
</tr>
<tr>
<td>Thermal 4” x 6” label</td>
<td>Thermal field</td>
</tr>
<tr>
<td>Multi-ply air waybill label</td>
<td>MAWB field</td>
</tr>
</tbody>
</table>

6 In Type, select one of the following label types:
- 306—label with preprinted tracking number
- 307—label without preprinted tracking number
- 362—French-language label without preprinted tracking number

7 Click the Reprint Label button. The label you selected is sent to the default thermal (or laser) printer listed in the Printer section at the bottom of the Label Reprint Utility window.

8 Click OK to print the label or click Cancel to exit the Label Reprint Utility without printing a label.

**To change the default label printer before reprinting a label**

1 Click the Printer icon on the Thermal label (or Laser label) at the bottom of the Reprint Label window.
2 Select the printer you want from the list.
3 Click OK.
Meter Registration Utility

The Meter Registration Utility helps you obtain new meter numbers for your FedEx Ship Manager Server (FSMS) software. Use the Meter Registration Utility to download the following meter-related information:

- FedEx Express—tracking numbers
- FedEx Express U.S.—rates
- FedEx Express International—rates
- FedEx Ground—discount rates
- URSA
- List rates
- Shipping tables

Note: This utility was previously called the Automatic Configuration Utility (ACU).

Getting a New Meter

The Meter Registration Utility is the preferred way to obtain a new meter number. Alternately, you can obtain a new meter by submitting a 035 Child Meter Registration Request transaction.

To obtain a new meter

1. Navigate to the FedEx Ship Manager Server folder on your desktop.
2. Double-click the Meter Registration icon.
3. If the message "This Device has been configured not to allow Multiple Child Meters", contact your FedEx customer service representative about allowing multiple child meter numbers for your FSMS application.
4. The FedEx Meter Registration Utility dialog opens.

   a. If you do not have a master meter number, enter your account number and zip code and click Next to continue.
   b. If you have a master meter number, the dialog box populates the respective fields. Click Next to request a new child meter.
4. If you are requesting a new child meter number, the following dialog box displays your account number and master meter number.

5. Enter the required information.

6. Click **Next**.

7. The Meter Registration Utility displays status as it processes your request.

The activity window is dynamic and has markers indicating the status of each component. The markers and associated descriptions are:

- A yellow dot indicates that the component download is in progress.
- A checkmark indicates that the component successfully downloaded.
- A red X indicates that the component failed to download.
Note: If the Meter Registration Utility fails to register or re-register a meter, it does not mean that FedEx Ship Manager Server is not installed properly.

The Meter Registration utility attempts to download the eight components shown on the screen, but only the Configuration Data (data provided during the install process or in the `fdxinstall.dat` file) is required to complete a successful registration. If any other component fails to download, a re-attempt option is provided after the registration process is completed or the component can be downloaded via the Demand Download Utility.

**Report Viewer Utility**

The Report Viewer Utility allows you to generate various FedEx Ship Manager Server (FSMS) reports from two categories:

- Close Reports
- Shipment Reports

The Report Viewer generates a view of reports directly from information in the FSMS database. It reads data from the local Sybase database and builds a view for each meter configured on the FSMS client.

You can only generate a Close Report after you perform an end-of-day Close by sending a *007 End-of-Day Close Request* transaction to FedEx.

**To start the Report Viewer Utility**

1. Navigate to the FedEx Ship Manager Server folder on your desktop.
2. Double-click the Report Viewer icon.

![Report Viewer Utility Image]

**Report Viewer Features**

Report Viewer includes the following features:

- **View Report**—double-click a report name in the tree view to open the report.
- **Export Report**—export a single or multiple reports from a selected category to a directory. Selected report(s) are exported in the format specified in the Report Settings tab of the FSMS Configuration Utility to the specified report directory. If no directory is specified, reports are exported to `\FedEx\FedEx_Temp`.
- **Print Report**—print single or multiple reports from a selected category. You need to select the printer for printing reports, since there is no default printer.
- **Refresh**—if the Report Viewer Utility is running and you process a shipment or execute an End-of-Day transaction, refresh the tree view to include any recent activity.
**Toolbar**

Report Viewer toolbar buttons provide the following actions:

- **Open**—opens a report template, such as a .rpt file.
- **Refresh**—use to refresh the report trees with current data.
- **Export**—Use to export selected report(s) to the directory specified in the FSMS Configuration Utility or to the default directory. All reports in a category can be exported simultaneously by selecting the category, such as Domestic, or exported individually by selecting the specific report, such as Invoice.
- **Print**—send selected report(s) to currently specified printer. There is no default printer.
- **About**—displays more information about the selected item.
- **Select Printer**—allows the user to select a printer to print reports.
- **Select Export**—select an export directory. The active export directory is displayed on the status bar.

**Navigation Tree View**

Report Viewer provides a navigation tree in the left panel. Figure 14-2 shows an expanded navigation tree.

*Figure 14-2 Navigation View*
Navigation - Tree Controls

The Report Viewer tree view nodes include the following:

**Meter Number**

Each meter loaded in the FSMS system is associated with this icon (_meter) in the Tree control. Each meter node has two other nodes, Close Reports (_cl_) and Shipment Reports (_s_).

**CL Close Reports**

All Close register IDs are listed in order by process date: CL 2005-01-07 16:00:04 (year-month-day and time). Some of the reports available under each ID are:

- **Domestic**
  - Courier
  - Invoice
  - Shipments
  - End-of-Day (EOD)

- **International**
  - Invoice (not for Canada-CA)
  - Shipments
  - Visa manifest
  - U.S. IE only manifest (only for CA meter)
  - U.S. all other manifest (only for CA meter)
  - End-of-Day (EOD)

- **Distribution**
  - Visa manifest
  - Consolidated commercial invoice
  - Customer reference number (CRN)
  - Packing list

- **International Priority Direct Distribution Freight (IDF)**
  - IDF consolidated commercial invoice
  - IDF CRN report
  - IDF customs packing list

- **Ground**
  - Manifest
  - MWGT package detail
  - MWGT shipment detail/postal
  - MWGT Collect-on-Delivery detail
  - MWGT DCV detail
  - Hazardous materials certification report
  - Ground C.O.D. report
Figure 14-3 shows the FedEx Ground Manifest which you can view as a Close Report.

**Figure 14-3 Close Report View**

**Shipment Reports**

Report Viewer provides shipment reports, including a Shipment Summary Report. It provides a total package count by service and subtotals for all FedEx Express and FedEx Ground shipping within a given cycle.

The shipment reports that you can view in the Report Viewer include the following:

**Shipment**

- **International**
  - CI Commercial invoice
  - Tracking number
  - History tracking number—tracking number for shipments moved to history
  - Proforma invoice
  - Certificate of origin
  - Shipment detail

- **Ground**
  - CI Commercial invoice
  - Certificate of origin
  - Shipment detail

- **Freight**
  - FedEx Freight bill-of-lading

- **Dangerous Goods**
  - FedEx Express 1421C
  - FedEx Ground OP900
Figure 14-4 shows the FedEx Express Commercial Invoice which you can view as a shipment report.
# Ship Manager Server Console

The FedEx Ship Manager Server Console is a multipurpose utility that you can use to view information about FedEx Ship Manager Server and to configure alert messages for delivery using e-mail or a TCP/IP port.

**To launch the console**

1. Navigate to the FSMS Console in the **Programs** menu under **FedEx Ship Manager Server v 10.01 > Utilities > Ship Manager Console**.

2. The **Ship Manager Console** window displays.

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>last incoming socket id</td>
<td>0</td>
</tr>
<tr>
<td>last incoming client ip</td>
<td>0</td>
</tr>
<tr>
<td>total clients connected</td>
<td>0</td>
</tr>
<tr>
<td>total transactions</td>
<td>0</td>
</tr>
<tr>
<td>global ship request</td>
<td>0</td>
</tr>
<tr>
<td>global delete request</td>
<td>0</td>
</tr>
<tr>
<td>shipment query request</td>
<td>0</td>
</tr>
<tr>
<td>child meter registration request</td>
<td>0</td>
</tr>
<tr>
<td>tracking request</td>
<td>0</td>
</tr>
<tr>
<td>tracking request expanded</td>
<td>0</td>
</tr>
<tr>
<td>meter query request</td>
<td>0</td>
</tr>
<tr>
<td>label reprint request</td>
<td>0</td>
</tr>
<tr>
<td>next tracking number request</td>
<td>0</td>
</tr>
<tr>
<td>end of day close request</td>
<td>0</td>
</tr>
</tbody>
</table>
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