



## **EDI INVOICING AND REMITTANCE**

### **210 MOTOR CARRIER FREIGHT DETAILS & INVOICE 820 PAYMENT ORDER/REMITTANCE ADVICE *(and alternate CSV REMITTANCE DATA FILE)* 997 FUNCTIONAL ACKNOWLEDGMENT**

## **VERSION 4010**

## **FedEx Freight**

**December 2022**

This version is effective as of December 2022. Prior to implementation, contact [EDI-InvandRemit@fedex.com](mailto:EDI-InvandRemit@fedex.com) to be ensure you have the latest version available. This document contains information proprietary and confidential to FedEx Corporation and may not be disclosed without authorization from FedEx. The proprietary and confidential information is contained on each page of the document and may not be copied or otherwise reproduced or distributed without authorization from FedEx.

Contents

- Document Revision History..... 3
- Introduction ..... 3
- What is EDI? ..... 3
  - Electronic Data File Process Flow..... 4
  - Guidelines and Limitations ..... 4
  - Transmissions..... 5
- Remittance Data Files and Payment Information..... 5
  - Remittance Data File Information..... 5
  - Payment Guidance - U.S. Payor Only ..... 5
    - EDI Remittance Data File and Payment Best Practices..... 6
- Communication / File Delivery Options ..... 7
  - sFTP (secure File Transfer Protocol) ..... 7
  - AS2 ..... 7
  - Secured Website ..... 7
  - Value Added Network..... 7
- Getting Started..... 8
  - Resources..... 9
- 210 Motor Carrier Freight Details and Invoice Record Layout - Functional Group ID=IM ..... 10
  - Codes Dictionary..... 26
- Procedures for Submitting Remittance Data File ..... 27
  - Remittance Data File Structures ..... 27
    - 820 Payment Order / Remittance Advice ..... 27
    - CSV Remittance File Layout ..... 38
- Functional Acknowledgement Record Layout ..... 39
  - 997 Functional Acknowledgment ..... 39

## Document Revision History

Section	Page	Date Updated
<a href="#">FedEx Freight Bill Audit and Pay (FBAP) Certification Program</a>	8	October 2022
<a href="#">Payment Guidance - U.S. Payor Only</a>	5	October 2022
<a href="#">EDI Remittance Data File and Payment Best Practices</a>	6	December 2022

## Introduction

The purpose of this guide is to assist electronic data trading partners with information about implementing an Electronic Data Interchange (EDI) process with FedEx for Invoicing and Remittance data of FedEx Express® and FedEx Ground® shipments. The guide discusses benefits of EDI and how to get started with implementation. This guide will also provide resources for obtaining additional information.

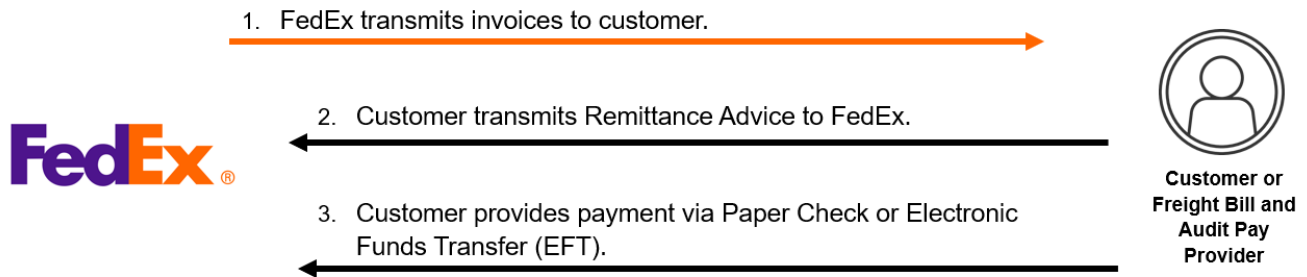
## What is EDI?

Electronic Data Interchange (EDI) is the electronic exchange of business documents using a standardized format. The entities that transmit or receive this electronic data are called trading partners. EDI can be used to transfer invoice and remittance data for FedEx Express and Ground shipments between FedEx and authorized trading partners.

EDI processing helps FedEx deliver top-quality service that takes advantage of advanced information management technology. EDI can help customers increase efficiency while reducing errors and operating costs. Additional specific benefits of implementing EDI with FedEx include:

- Reduced paper handling and mailing costs. In most cases the costs to transmit an electronic document is considerably less than mailing costs.
- Invoices for multiple FedEx accounts can be combined into a single transmission. Electronic invoicing enhances your control over accounts payable, even when shipments originate from multiple sites.
- Eliminates keying of invoice data and reduces errors, so you’ll spend less time and effort verifying and processing your bills.
- Electronic invoicing provides convenient verification of shipping charges and proof of delivery (FedEx Express only).
- Electronic invoicing allows for quick and accurate allocation of shipping costs to internal departments and third parties, streamlining your accounting and improving cash flow.
- Invoice adjustments for LTL invoices *cannot* be submitted electronically.
- Multiple data formats allow easy integration with Accounts Payable processes.

## Electronic Data File Process Flow



## Guidelines and Limitations

In addition to the terms and conditions stated in the FedEx Service Guide:

- **To be eligible for electronic invoicing, you must send your remittance data electronically (US).** Payment can be made via paper check or Electronic Funds Transfer (EFT).
- Past due charges will be sent electronically unless otherwise specified. In accordance with the FedEx Service Guide, payment must be made within 15 days of the invoice date.
- On your normal billing cycle, you will receive an invoice file for all account numbers requested to be billed electronically.
- Electronic documents are not considered “received” until they are accessible on the receiving mailbox.
- Electronic documents transmitted for electronic invoice and remittance are considered written documents. They constitute an original when they are printed from electronic files or records established and maintained in the course of business.
- Failure to retrieve electronic invoice files in a timely manner may result in termination of electronic invoicing by FedEx. Paper invoicing will resume.
- Lack of reference data provided by the shipper is not a valid reason to request invoice adjustments.
- Short payment problems identified by FedEx that are related to programming in your accounts payable system or databases must be corrected immediately.
- FedEx may modify electronic invoice and remittance formats at any time.
- After implementation, either party can terminate electronic invoice and remittance with prior notice.
- Shipments are governed by service conditions in the current FedEx Service Guide and Addendum.
- If there is a conflict between this guide and the FedEx Service Guide, the Service Guide will take precedence.

## Transmissions

FedEx will transmit your invoice files either daily or weekly on your preferred billing day. The following guidelines and limitations apply:

- Your EDI Analyst will assign a mailbox to you on our network, FedEx Net.
- At no cost to you, FedEx will pay for the transmission of invoice and remittance files to an electronic mailbox or to a value-added network of our choice. However, if you choose a different network, FedEx pays the costs of the transmission interconnect only. Your company is responsible for all charges from your value-added network provider.
- You will provide and maintain your equipment, software, services, and testing necessary to effectively and reliably send and receive electronic documents.
- You are responsible for using proper mailbox procedures to ensure that all electronic documents are duly authorized and protected from improper access.

## Remittance Data Files and Payment Information

### Remittance Data File Information

For an explanation of how to structure a remittance data file, refer to the [Procedures for Submitting Remittance Data File](#) section.

### Payment Guidance - U.S. Payor Only

- If paying by **paper check**:
  - ◆ Mail paper checks via the USPS to Attn: FedEx Freight, PO Box 223125, Pittsburgh, PA 5251-2125.
  - ◆ Ship Overnight Letters to Attn: FedEx Freight, Box 223125, 500 Ross Street, Pittsburgh, PA 15262.
- If paying by **ACH/EFT**:
  - ◆ please email [EFT-Auth@fedex.com](mailto:EFT-Auth@fedex.com) to request banking details.

NOTE: Non-U.S. accounts should contact the billing or Credit & Collections department of your Country/Territory for payment options and address.

**EDI Remittance Data File and Payment Best Practices**

1. The remittance data file may contain the intra-U.S. Ground and Express and International invoices (electronic or paper).
2. Customer must transmit to FedEx an EDI remittance data file containing invoice numbers only (preferred) or invoice and airwaybill numbers to indicate which shipments are being paid.
3. Pay full amount of invoice. If you pay all of the tracking numbers on an invoice, create only one payment record for that invoice
4. If you make a partial payment, create a separate record for each tracking number.
5. You have the option of submitting payments and invoice adjustments in the same remittance file, or in separate files.
6. EDI remittance data file header dollar amount must match detail lines total dollar amount within the EDI remittance data file.
7. There must be a one-payment-to-one-remittance-data-file ratio; the payment amount and remittance data file totals must match dollars/cents exactly.
8. The EDI remittance file reference number should be a unique number and included in the payment remarks field for ACH/EFT payments or on the paper check stub for check payments.
9. The remittance data file should arrive at FedEx prior-to or same-day-as the payment is deposited at the bank.
10. Please do *not* also email a remittance data file and/or print the invoice level detail on the check stub.
11. If paying any invoice that exceeds \$99,999.99 by **Credit Card** be sure to:
  - Create additional records in the remittance data file for that same invoice number as needed until the amount of the invoice has been satisfied ensuring that no one invoice record exceeds \$99,999.99.
  - Provide a unique, never been used before, Reference Number for each record pertaining to that same invoice number that is being paid. This will result in separate charges to the credit card equal to the payment amount provided for each unique Reference Number.

Note: Paying by credit card requires you to work with your FedEx Sales Representative to obtain approval and also requires additional EDI process setup. To request approval to pay by Credit Card, please contact your Sales Representative for next steps.

## Communication / File Delivery Options

It is a FedEx Information Security requirement that customer data, both inbound and outbound, either be encrypted or be sent via a secured website. FedEx offers the following options for communication of data to trading partners.

### **sFTP (secure File Transfer Protocol)**

sFTP (secure File Transfer Protocol) uses dedicated ports to transfer data securely between FedEx and the customer. The connection is secure so no certificates or keys need to be exchanged. This also means that the commands, as well as the passwords, are secure. This option uses secure shell (SSH) encryption and a binary transfer. The data can either be pushed or delivered to a mailbox on FedEx Net for customers retrieval

### **AS2**

AS2 also known as EDI INT, or EDI over the internet is also supported by FedEx. AS2 essentially creates a wrapper around EDI or flat files that enables sending them over the Internet. AS2 is a real-time technology that provides security and encryption around the HTTP packets. It enables information transmitted over public and private global networks to be digitally signed, secured, and non-repudiated. The customer must have AS2 software to be able to use this option, but there are no network charges.

### **Secured Website**

Trading Partners may wish to access their mailbox via a secured website. This is a manual process whereby the trading partner connects to a secure URL using a provided User ID and password. The FedEx Net website allows the trading partner to upload and download files. Only one file can be uploaded or downloaded at a time.

### **Value Added Network**

FedEx has the ability to transmit to a Value-Added Network (VAN). GXS is the VAN FedEx uses and GXS can interconnect to the trading partner's VAN. There are transmission costs for this option. FedEx will incur up to 50% of the transmission costs.

## Getting Started

Once you have decided to use electronic invoice and remittance, follow this guide for onboarding and implementation. If you need help along the way, consult the 'Resources' section.

You will need to successfully complete these steps before electronic invoice and remittance may begin:

1. Please send requests for electronic invoice testing to [EDI-InvandRemit@fedex.com](mailto:EDI-InvandRemit@fedex.com). Please include Company Name, Account Number, Contact Name, Contact Email, Contact Phone, and description of request.
2. If you need your Account Executive's name and telephone number, call Customer Service at 800-463-3339. Your Account Executive will submit the request to Electronic Revenue Support (ERS).
3. Program your system to read the invoice file FedEx sends you, process it through your Accounts Payable System, generate and send the remittance transmission (U.S. Payor only) (refer to the 'Invoice' section) and return to FedEx a remittance data file.
4. Validate in coordination with FedEx (Refer to the Implementation Guide for details).
5. When electronic invoice process validation is complete and remittance (US payor only) testing is approved, provide a list of all shipping accounts and the associated company names you want implemented. At your requested production date, paper invoicing will be replaced with electronic invoicing.

## Resources

WHAT IS NEEDED	WHAT TO DO
To request a specific EDI Implementation Guide:	Please email <a href="mailto:EDI-InvandRemit@fedex.com">EDI-InvandRemit@fedex.com</a> for assistance.
To validate Electronic Invoice & Remittance processes:	Please email <a href="mailto:EDI-InvandRemit@fedex.com">EDI-InvandRemit@fedex.com</a> for assistance.
To contact your account executive:	Obtain your account executive's name and telephone number by calling Customer Service at <b>800 463-3339 (800 Go FedEx)</b> .
Answers to billing questions or to request Duties & Taxes adjustments:	Call FedEx Revenue Services at: <b>800 622-1147</b> between 7 A.M. and 6 P.M. (CST).
To obtain service information:	Consult the current FedEx Service Guide. It is the official source for service offerings, delivery schedules, and conditions for Money-Back Guarantee. It is an essential reference for programming when auditing the invoice. To obtain the latest FedEx Service Guide visit <a href="http://www.fedex.com/us/service-guide/">http://www.fedex.com/us/service-guide/</a> .
FedEx Billing Online Technical Support	Call <b>877- 339-2774</b> , when prompted say: <b>"Billing Online"</b>
For 214 - Shipment Status Message support:	Email a request email to FedEx at <a href="mailto:edihelp@fedex.com">edihelp@fedex.com</a> .
To obtain shipment data upload from FedEx approved devices assistance.	1. Contact the EDI Hotline at <b>855-408-9440</b> and select the EDI Electronic Package Data Interchange (EPDI) support option. OR 2. Email a request email to FedEx at <a href="mailto:edihelp@fedex.com">edihelp@fedex.com</a> .

## FedEx Freight Bill Audit and Pay (FBAP) Certification Program

The FedEx Freight Bill Audit and Pay (FBAP) Certification program recognizes Freight Bill, Audit, and Pay Providers that have consistently met FedEx standards for receiving invoices electronically, processing, and remitting payment details, and managing disputes on behalf of customers. Although FedEx works with many Freight Bill, Audit, and Pay providers, only these providers have demonstrated their ability to effectively provide freight bill, audit, and payment services to their customers in accordance with FedEx standards, thereby earning recognition as a Certified FBAP Provider. For information about the FedEx Freight Bill Audit and Pay (FBAP) Certification program please visit [FedEx Billing Solutions](#).



**Segment:** **ST** Transaction Set Header  
**Position:** 010  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the start of a transaction set and to assign a control number  
**Syntax Notes:**  
**Semantic Notes:** 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).  
**Comments:**

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
<b>M</b>	<b>ST01</b>	<b>143</b>	<b>Transaction Set Identifier Code</b>	<b>M ID 3/3</b>
			Code uniquely identifying a Transaction Set	
			210 Motor Carrier Freight Details and Invoice	
<b>M</b>	<b>ST02</b>	<b>329</b>	<b>Transaction Set Control Number</b>	<b>M AN 4/9</b>
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

### B3 Beginning Segment for Carrier's Invoice

020

Heading

Mandatory

1 To transmit basic data relating to the carrier's invoice

**Syntax Notes:** 1 If either B309 or B310 is present, then the other is required.

**Semantic Notes:** 1 B306 is the billing date.

2 On collect freight bills the data in B309 will be the actual delivery date. For the shipments invoiced prior to delivery, the B309 will be the estimated date of delivery.

3 If B314 is used, B304 will indicate the party or parties responsible for payment of the transportation terms identified in B314.

**Data Element Summary**

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	B302	76	<b>Invoice Number</b> Identifying number assigned by issuer PRO Number	M AN 1/22
	B303	145	<b>Shipment Identification Number</b> Identification number assigned to the shipment by the shipper that	O AN 1/30
M	B304	146	<b>Shipment Method of Payment</b> Code identifying payment terms for transportation charges CC Collect PP Prepaid (by Seller) TP Third Party Pay	M ID 2/2
M	B306	373	<b>Date</b> Date expressed as CCYYMMDD Billing Date	M DT 8/8
M	B307	193	<b>Net Amount Due</b> Total charges to be paid by the receiver of this transaction set expressed in the standard monetary denomination for the currency specified	M N2 1/12
	B308	202	<b>Correction Indicator</b> Code used to indicate that the transaction set contains information which corrects previous information BD Balance Due Billing CO Correction PD Past Due Billing	O ID 2/2
	B309	32	<b>Delivery Date</b> Date for delivery of cargo to final consignee or to next mode expressed in format CCYYMMDD. "Delivery Date" is the Default value. If Delivery Date is not present "Estimated Delivery Date" will be used. Codes specifying type of date or time, or both date and time: 017 Estimated Delivery (Used if "Delivered Date" is blank) 035 Delivered ( <b>DEFAULT</b> ) 140 Actual (Available on request)	X DT 8/8

	<b>B310</b>	<b>374</b>	<b>Date/Time Qualifier</b>	<b>X ID 3/3</b>
			uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)	
			Bill of Lading (BOL) Number	
<b>M</b>	<b>B311</b>	<b>140</b>	<b>Standard Carrier Alpha Code</b>	<b>M ID 2/4</b>
			Standard Carrier Alpha Code FXFE - FedEx Freight Priority FXNL - FedEx Freight Economy FXFC - FedEx Freight Canada	
			NOTE: Customers may choose to only receive only SCAC code "FXFE" instead of both SCAC codes "FXFE" and "FXNL".	
			Contact your <a href="mailto:EDI-InvandRemit@fedex.com">EDI-InvandRemit@fedex.com</a> to request this change.	
	<b>B312</b>	<b>373</b>	<b>Date</b>	
			This is an optional miscellaneous date field. It can be used for Billing Date, Invoice Date, Shipped Date or System Date.	
			If you would like to receive this element, please contact your <a href="mailto:EDI-InvandRemit@fedex.com">EDI-InvandRemit@fedex.com</a> .	

**C3 Currency**

040

Heading

Optional

1

To specify the currency being used in the transaction set

**Syntax Notes:**

**Semantic Notes:**

- 1 C301 is the billing currency.
- 2 C303 is the payment currency.
- 3 C304 is the rated currency.

**Comments:**

- 1 Currency is implied by the code for the country in whose currency the monetary amounts are specified.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element Name</u>	<u>Attributes</u>
<b>M</b>	<b>C301</b>	<b>100 Currency Code</b>	<b>M ID 3/3</b>
		Code (Standard ISO) for country in whose currency the charges are specified. CAD - Canadian Dollars USD - U.S. Dollars	

**Segment:** **N9 Reference Identification**  
**Position:** 060  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 300  
**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier  
**Syntax Notes:**

- 1 At least one of N902 or N903 is required.
- 2 If N906 is present, then N905 is required.
- 3 If either C04003 or C04004 is present, then the other is required.
- 4 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:**

- 1 N906 reflects the time zone which the time reflects.
- 2 N907 contains data relating to the value cited in N902.

**Comments:**

**Data Element Summary**

Ref.	Data	Attributes
<u>Des.</u>	<u>Element Name</u>	
M	128 <b>Reference Identification Qualifier</b>	M ID 2/3
	Code qualifying the Reference Identification In order for this information to be included on the invoice this information must be provided on the original BOL (Bill of Lading) document. "BM" and ""35" are default codes. Qualifier "QY" is only sent if you have requested to only receive SCAC "FXFE" in the B311 element. It indicates service type: ECON or PRTY.  If there is additional reference information you would like to receive please email <a href="mailto:EDI-InvandRemit@fedex.com">EDI-InvandRemit@fedex.com</a> . BM - Bill of Lading Number PO - Purchase Order Number QY - Service Level	
	N902 127 <b>Reference Identification</b>	X AN 1/30
	Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

**G62** Date/Time

070  
 Heading  
 Optional  
 6

To specify pertinent dates and times

- Syntax Notes:** 1 At least one of G6201 or G6203 is required.  
 2 If either G6201 or G6202 is present, then the other is required.  
**Semantic Notes:** 3 If either G6203 or G6204 is present, then the other is required.  
**Comments:**

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element Name</u>	<u>Attributes</u>
G6201	432	Date Qualifier	X ID 2/2
		Code specifying type of date Code "86" is the default date. Codes "11" and "35" are available. 11 - Shipped on This Date 35 - Delivered on This Date 86 - Actual Pickup Date (DEFAULT)	
G6202	373	Date	X DT 8/8
		Date expressed as CCYYMMDD	

**Segment:** **R3** Route Information - Motor  
**Position:** 080  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 12  
**Purpose:** To specify carrier and routing sequences and details  
**Syntax Notes:** 1 If R311 is present, then R310 is required.  
 2 If R312 is present, then R311 is required.  
**Semantic Notes:** 1 R303 is the station or city name at which carriers interchange shipments  
 2 R307 is the carrier's billing date.  
 3 R308 is the amount due the carrier.  
**Comments:**

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element Name</u>	
M	R301	140 <b>Standard Carrier Alpha Code</b> Standard Carrier Alpha Code FXFE - FedEx Freight Priority FXNL - FedEx Freight Economy FXFC - FedEx Canada	M ID 2/4
M	R302	133 <b>Routing Sequence Code</b> Code describing the relationship of a carrier to a specific shipment movement B Origin/Delivery Carrier (Any Mode) D DELY (Delivery Switch Carrier) O Origin Carrier (Air, Motor, or Ocean)	M ID 1/2
	R303	19 <b>City Name</b> Free-form text for city name	O AN 2/30
	R304	91 <b>Transportation Method/Type Code</b> Code specifying the method or type of transportation for the shipment LT Less Than Trailer Load (LTL)	O ID 1/2
	R306	76 <b>Invoice Number</b> Identifying number assigned by issuer	O AN 1/22
	R310	284 <b>Service Level Code</b> Code indicating the level of transportation service or the billing service offered by the transportation carrier R306 will only be sent if you have requested to only receive SCAC "FXFE" in the B311 element. It indicates FedEx Freight service type. 09 PRTY G2 ECON	X ID 2/2

**N1 Name**

110  
 0100 Optional  
 Heading  
 Optional  
 1

To identify a party by type of organization, name, and code

- Syntax Notes:**
- 1 At least one of N102 or N103 is required.
  - 2 If either N103 or N104 is present, then the other is required.

**Semantic Notes:**

- Comments:**
- 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
  - 2 N105 and N106 further define the type of entity in N101.

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	N101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual BT - Bill-to-Party CN - Consignee SH - Shipper	M ID 2/3
	N102	93	<b>Name</b> Free-form name	X AN 1/60

### **N3** Address Information

130

0100 Optional

Heading

Optional

2

To specify the location of the named party

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

#### **Data Element Summary**

	<b>Ref.</b>	<b>Data</b>		<b>Attributes</b>
	<b><u>Des.</u></b>	<b><u>Element</u></b>	<b><u>Name</u></b>	
<b>M</b>	<b>N301</b>	<b>166</b>	<b>Address Information</b> Address information	<b>M AN 1/55</b>
	<b>N302</b>	<b>166</b>	<b>Address Information</b> Address information	<b>O AN 1/55</b>

## N4 Geographic Location

140

0100 Optional

Heading

Optional

1

To specify the geographic place of the named party

**Syntax Notes:** 1 If N406 is present, then N405 is required.

**Semantic**

**Notes:**

**Comments:** 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

2 N402 is required only if city name (N401) is in the U.S. or Canada.

### Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
N401	19	<b>City Name</b> Free-form text for city name	O AN 2/30
N402	156	<b>State or Province Code</b> Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
N403	116	<b>Postal Code</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/15
N404	26	<b>Country Code</b> Code identifying the country	O ID 2/3

**LX Assigned Number**

120

0400 Optional

Detail

Optional

1

To reference a line number in a transaction set

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	LX01	554	Assigned Number	M NO 1/6
			Number assigned for differentiation within a transaction set	

## L5 Description, Marks and Numbers

140  
 0400 Optional  
 Detail  
 Optional  
 30

To specify the line item in terms of description, quantity, packaging, and marks and numbers

- Syntax Notes:**
- 1 If either L503 or L504 is present, then the other is required.
  - 2 If L507 is present, then L506 is required.
  - 3 If either L508 or L509 is present, then the other is required.

**Semantic Notes:**

- Comments:**
- 1 L502 may be used to send quantity information as part of the product description.

### Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
L501	213	<b>Lading Line Item Number</b> Sequential line number for a lading item	O N0 1/3
L502	79	<b>Lading Description</b> Description of an item as required for rating and billing purposes	O AN 1/50
L503	22	<b>Commodity Code</b> Code describing a commodity or group of commodities	X AN 1/30
L504	23	<b>Commodity Code Qualifier</b> Code identifying the commodity coding system used for Commodity Code N - National Motor Freight Classification (NMFC)	X ID 1/1
L505	103	<b>Packaging Code</b> Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required	O AN 3/5

## L0 Line Item - Quantity and Weight

170

0400 Optional

Detail

Optional

10

To specify quantity, weight, volume, and type of service for a line item including applicable "quantity/rate-as" data

- Syntax Notes:**
- 1 If either L002 or L003 is present, then the other is required.
  - 2 If either L004 or L005 is present, then the other is required.
  - 3 If either L006 or L007 is present, then the other is required.
  - 4 If either L008 or L009 is present, then the other is required.
  - 5 If L011 is present, then L004 is required.
  - 6 If either L013 or L015 is present, then the other is required.

- Semantic Notes:**
- 1 L008 is the number of handling units of the line item tendered to the carrier.
  - 2 L013 can only be used if the code in L009 is PLT, SKD, or SLP.
  - 3 L015 designates whether the carrier will be required to verify the number of units contained on a pallet, slip sheet or skid. Code "Y" indicates that the carrier will be required to verify. Code "N" indicates that the carrier will not be required to verify.

- Comments:**
- 1 L013 is used to convey the total number of boxes, cartons, or pieces contained on a pallet, skid, or slip sheet for the line item.

### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element Name</u>	<u>Attributes</u>
L001	213	<b>Lading Line Item Number</b> Sequential line number for a lading item	O NO 1/3
L004	81	<b>Weight</b> Numeric value of weight	X R 1/10
L005	187	<b>Weight Qualifier</b> Code defining the type of weight 'N' is the default code B - Billed Weight F - Deficit Weight G - Gross Weight N - Actual Net Weight P - Weight Per 100 Units	X ID 1/2
L008	80	<b>Lading Quantity</b> Number of units (pieces) of the lading commodity	X NO 1/7
L009	211	<b>Packaging Form Code</b> Code for packaging form of the lading quantity PCS - Pieces	X ID 3/3
L011	188	<b>Weight Unit Code</b> Code specifying the weight unit L - Pounds	O ID 1/1
L013	380	<b>Quantity</b> Numeric value of quantity	X R 1/15

<b>L014</b>	<b>211</b>	<b>Packaging Form Code</b>	<b>O</b>	<b>ID 3/3</b>
		Code for packaging form of the lading quantity		
<b>L015</b>	<b>1073</b>	<b>Yes/No Condition or Response Code</b>	<b>X</b>	<b>ID 1/1</b>
		Code indicating a Yes or No condition or response		

**L1 Rate and Charges**

180  
0400 Optional  
Detail  
Optional  
10

To specify rate and charges detail relative to a line item including freight charges, advances, special charges, and entitlements

<u>Ref. Des.</u>	<u>Data Element Name</u>	<u>Attributes</u>
<b>L101</b>	<b>213 Lading Line Item Number</b>	<b>O N0 1/3</b>
	Sequential line number for a lading item	
<b>L102</b>	<b>60 Freight Rate</b>	<b>X R 1/9</b>
	Rate that applies to the specific commodity	
<b>L103</b>	<b>122 Rate/Value Qualifier</b>	<b>X ID 2/2</b>
	Code qualifying how to extend charges or interpret value	
	CT - Charge or Credit Based on Percentage of Total	
	CW - Per Hundred Weight	
	Describes a transportation rate that applies to every one hundred pounds of total weight of an individual shipment	
	FR - Flat Rate	
	MN - Minimum	
	PH - Per Hundred (of Basic Unit)	
<b>L104</b>	<b>58 Charge</b>	<b>X N2 1/12</b>
	For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified	
<b>L108</b>	<b>150 Special Charge or Allowance Code</b>	<b>O ID 3/3</b>
	Code identifying type of special charge or allowance	
	See the Codes Dictionary for list of available codes.	
<b>L112</b>	<b>276 Special Charge Description</b>	<b>O AN 2/25</b>
	Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150	

- Syntax Notes:**
- 1 If either L102 or L103 is present, then the other is required.
  - 2 At least one of L104 L105 or L106 is required.
  - 3 If either L114 or L115 is present, then the other is required.
  - 4 If either L117 or L118 is present, then the other is required.

- Semantic Notes:**
- 1 L119 is the percent used to determine the charge in L104.
  - 2 L120, if used, indicates the currency for all monetary amounts in this L1 segment.
  - 3 L121 is the origin rated as charge amount.

## **L7** Tariff Reference

200

0400 Optional

Detail

Optional

10

To reference details of the tariff used to arrive at applicable rates or charge

**Syntax Notes:**

**Semantic Notes:**

- 1 L710 is the effective date.
- 2 In L715 and L716, "City" and "State" are used for rate combination city and state.

**Comments:**

### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element Name</u>	<u>Attributes</u>
L701	213	Lading Line Item Number Sequential line number for a lading item	O N0 1/3
L707	59	Freight Class Code Code indicating generalized classification that applies to one or more items in the shipment, i.e., class 70, 77.5, etc.	O AN 2/5

### L3 Total Weight and Charges

010

Summary

Optional

1

To specify the total shipment in terms of weight, volume, rates, charges, advances, and prepaid amounts applicable to one or more line items

- Syntax Notes:**
- 1 If either L301 or L302 is present, then the other is required.
  - 2 If either L303 or L304 is present, then the other is required.
  - 3 If either L309 or L310 is present, then the other is required.
  - 4 If L312 is present, then L301 is required.
  - 5 If either L314 or L315 is present, then the other is required.

- Semantic Notes:**
- 1 L305 is the total charges.
- Comments:**

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element Name</u>	<u>Attributes</u>
L301	81	<b>Weight</b> Numeric value of weight	X R 1/10
L302	187	<b>Weight Qualifier</b> Code defining the type of weight G - Gross Weight N - Actual Net Weight	X ID 1/2
L305	58	<b>Charge</b> For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified	O N2 1/12
L311	80	<b>Lading Quantity</b> Number of units (pieces) of the lading commodity	O N0 1/7

## SE Transaction Set Trailer 020

Summary

Mandatory

1

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

**Syntax Notes:**

**Semantic Notes:**

**Comments:** 1 SE is the last segment of each transaction set.

### Data Element Summary

	Ref.	Data		
	<u>Des.</u>	<u>Element Name</u>		<u>Attributes</u>
M	SE01	96	<b>Number of Included Segments</b>	M NO 1/10
			Total number of segments included in a transaction set including ST and SE segments	
M	SE02	329	<b>Transaction Set Control Number</b>	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

### Codes Dictionary

The codes dictionary is a separate document. It is an Excel spreadsheet that lists the available code values used for an element. There is a separate TAB at the bottom of the document that correlates to each element, i.e. V908 DEL EXCEP, V912 DEL DISP. To request a copy of the Freight/LTL Codes Dictionary please email [EDI-InvandRemit@fedex.com](mailto:EDI-InvandRemit@fedex.com).

# Procedures for Submitting Remittance Data File

You must create a remittance file to indicate which shipments are being paid. FedEx accepts two different remittance formats. They are:

- ASC X12 820 Remittance
- FedEx Proprietary CSV (Comma Separated Values)

## Remittance Data File Structures

### 820 Payment Order / Remittance Advice

Functional Group ID=RA

#### Introduction

This Draft Standard for Trial Use contains the format and establishes the data contents of the Payment Order/Remittance Advice Transaction Set (820) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to make a payment, send a remittance advice, or make a payment and send a remittance advice. This transaction set can be an order to a financial institution to make a payment to a payee. It can also be a remittance advice identifying the detail needed to perform cash application to the payee's accounts receivable system. The remittance advice can go directly from payer to payee, through a financial institution, or through a third-party agent.

#### Heading

<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>
M 010	ST	Transaction Set Header	M 1		
M 020	BPR	Beginning Segment for Payment	M 1		
		Order/Remittance Advice			
Must Use 040	CUR	Currency	O	1	
Must Use 050	REF	Reference Identification	O	>1	
Must Use 060	DTM	Date/Time Reference	O	>1	
					LOOP ID - N1 >1
		Name	O	1	
Must Use 070	N1				

#### Detail:

<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>
					LOOP ID - ENT >1
		Entity	O	1	
					LOOP ID - RMR >1
		Remittance Advice Accounts Receivable Open Item Reference	O	1	

010 ENT  
Must Use 150 RMR  
  
NTE 220



**Summary:**

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>
M	010	SE	Transaction Set Trailer	M	1	

**ST** Transaction Set Header

010

Heading  
Mandatory  
1

To indicate the start of a transaction set and to assign a control number

**Syntax Notes:**

**Semantic Notes:** 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

**Comments:**

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	ST01	143	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set	M ID 3/3
			820 - Payment Order/Remittance Advice	
M	ST02	329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

# BPR Beginning Segment for Payment Order/Remittance Advice 020

Heading Mandatory

1

To indicate the beginning of a Payment Order/Remittance Advice Transaction Set and total payment amount, or to enable related transfer of funds and/or information from payer to payee to occur

- Syntax Notes:**
- 1 If either BPR06 or BPR07 is present, then the other is required.
  - 2 If BPR08 is present, then BPR09 is required.
  - 3 If either BPR12 or BPR13 is present, then the other is required.
  - 4 If BPR14 is present, then BPR15 is required.
  - 5 If either BPR18 or BPR19 is present, then the other is required.
  - 6 If BPR20 is present, then BPR21 is required.

- Semantic Notes:**
- 1 BPR02 specifies the payment amount.
  - 2 When using this transaction set to initiate a payment, all or some of BPR06 through BPR16 may be required, depending on the conventions of the specific financial channel being used.  
BPR06 and BPR07 relate to the originating depository financial institution (ODFI).
  - 3 BPR08 is a code identifying the type of bank account or other financial asset.
  - 4 BPR09 is the account of the company originating the payment. This account may be debited or credited depending on the type of payment order.
  - 5 BPR12 and BPR13 relate to the receiving depository financial institution (RDFI).
  - 6 BPR14 is a code identifying the type of bank account or other financial asset.
  - 7 BPR15 is the account number of the receiving company to be debited or credited with the payment order.
  - 8 BPR16 is the date the originating company intends for the transaction to be settled (i.e., Payment Effective Date).
  - 9 BPR17 is a code identifying the business reason for this payment.
  - 10 BPR18, BPR19, BPR20 and BPR21, if used, identify a third bank identification number and account to be used for return items only.
  - 11 BPR20 is a code identifying the type of bank account or other financial asset.

**Comments:**

### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element Name</u>	<u>Attributes</u>
M	BPR01	305 <b>Transaction Handling Code</b> Code designating the action to be taken by all parties I - Remittance Information Only	M ID 1/2
M	BPR02	782 <b>Monetary Amount</b> Monetary amount	M R 1/18
M	BPR03	478 <b>Credit/Debit Flag Code</b> Code indicating whether amount is a credit or debit C - Credit	M ID 1/1
M	BPR04	591 <b>Payment Method Code</b> Code identifying the method for the movement of payment instructions ACH - Automated Clearing House (ACH) CHK - Check	M ID 3/3
	BPR16	373 <b>Date</b>	O DT 8/8

Date expressed as CCYYMMDD  
 ACH Settlement Date (only send if BPR04=ACH)

**CUR** Currency

040

Heading  
 Optional (Must Use)  
 1

- Syntax Notes:**
- To specify the currency (dollars, pounds, francs, etc.) used in a transaction
  - 1 If CUR08 is present, then CUR07 is required.
  - 2 If CUR09 is present, then CUR07 is required.
  - 3 If CUR10 is present, then at least one of CUR11 or CUR12 is required.
  - 4 If CUR11 is present, then CUR10 is required.
  - 5 If CUR12 is present, then CUR10 is required.
  - 6 If CUR13 is present, then at least one of CUR14 or CUR15 is required.
  - 7 If CUR14 is present, then CUR13 is required.
  - 8 If CUR15 is present, then CUR13 is required.
  - 9 If CUR16 is present, then at least one of CUR17 or CUR18 is required.
  - 10 If CUR17 is present, then CUR16 is required.
  - 11 If CUR18 is present, then CUR16 is required.
  - 12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
  - 13 If CUR20 is present, then CUR19 is required.
  - 14 If CUR21 is present, then CUR19 is required.

**Semantic Notes:**  
**Comments:** 1 See Figures Appendix for examples detailing the use of the CUR segment.  
**Notes:** THE "CUR" SEGMENT IS REQUIRED BY FEDEX.

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element Name</u>	
M	CUR01	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		RM Party that remits payment	
M	CUR02	100 Currency Code	M ID 3/3
		Code (Standard ISO) for country in whose currency the charges are specified	
		"CAD" = Canadian Dollars	
		"USD" - U.S. Dollars	

**REF Reference Identification**

050  
 Heading  
 Optional (Must Use)  
 >1  
 To specify identifying information

- Syntax Notes:**
- 1 At least one of REF02 or REF03 is required.
  - 2 If either C04003 or C04004 is present, then the other is required.
  - 3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.

**Comments:**

**Notes:** THE "REF" SEGMENT IS REQUIRED BY FEDEX.

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element Name</u>		
M	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification CK - Check Number TN - Transaction Reference Number	M ID 2/3
	REF02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier FedEx MAX length is 12 characters.	X AN 1/30

**DTM** Date/Time Reference

060  
 Heading  
 Optional (Must Use)  
 >1

To specify pertinent dates and times

- Syntax Notes:**
- 1 At least one of DTM02 DTM03 or DTM05 is required.
  - 2 If DTM04 is present, then DTM03 is required.
  - 3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic**

**Notes:**

**Comments:**

**Notes:** THE "DTM" SEGMENT IS REQUIRED BY FEDEX.

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	DTM01	374	<b>Date/Time Qualifier</b>	M ID 3/3
			Code specifying type of date or time, or both date and time	
			020 - Check	
			097 - Transaction Creation	
>>	DTM02	373	<b>Date</b>	X DT 8/8
			Date expressed as CCYYMMDD	

**N1 Name**

070  
 N1 Optional (Must Use)  
 Heading  
 Optional (Must Use)

**Syntax Notes:**

- 1  
 To identify a party by type of organization, name, and code  
 1 At least one of N102 or N103 is required.  
 2 If either N103 or N104 is present, then the other is required.

**Semantic Notes:**

**Comments:**

- 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.  
 2 N105 and N106 further define the type of entity in N101.

**Notes:** THE "N1" SEGMENT IS REQUIRED BY FEDEX.

**Data Element Summary**

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual PR - Payer M ID 2/3
	N102	93	Name Free-form name X AN 1/60

**ENT** Entity

010  
 ENT Optional  
 Detail  
 Optional  
 1

To designate the entities which are parties to a transaction and specify a reference meaningful to those entities

- Syntax Notes:**
- 1 If any of ENT02 ENT03 or ENT04 is present, then all are required.
  - 2 If any of ENT05 ENT06 or ENT07 is present, then all are required.
  - 3 If either ENT08 or ENT09 is present, then the other is required.

- Semantic Notes:**
- Comments:**
- 1 This segment allows for the grouping of data by entity/entities at or within a master/masters. A master (e.g., an organization) can be comprised of numerous subgroups (e.g., entities). This master may send grouped data to another master (e.g., an organization) which is comprised of one or more entities. Groupings are as follows:
    - (1) Single/Single: Only ENT01 is necessary, because there is a single entity (the sending master) communicating with a single entity (the receiving master).
    - (2) Single/Multiple: ENT05, ENT06, and ENT07 would be used to identify the entities within the receiving master. The sending master is a single entity, so no other data elements need be used.
    - (3) Multiple/Single: ENT02, ENT03, and ENT04 would be used to identify the entities within the sending master. The receiving master is a single entity, so no other data elements need be used.
    - (4) Multiple/Multiple: ENT02, ENT03, and ENT04 would be used to identify the entities within the sending master. ENT05, ENT06, and ENT07 would be used to identify the entities within the receiving master.
 This segment also allows for the transmission of a unique reference number that is meaningful between the entities.

**Data Element Summary**

<u>Ref. Des.</u>	<u>Data Element Name</u>	<u>Attributes</u>
ENT01	554 Assigned Number	O N0 1/6
	Number assigned for differentiation within a transaction set	

# RMR Remittance Advice Accounts Receivable Open Item Reference

150  
 RMR Optional (Must Use)  
 Detail  
 Optional (Must Use)

1  
 To specify the accounts receivable open item(s) to be included in the cash application and to convey the appropriate detail

- Syntax Notes:**
- 1 If either RMR01 or RMR02 is present, then the other is required.
  - 2 If either RMR07 or RMR08 is present, then the other is required.
- Semantic Notes:**
- 1 If RMR03 is present, it specifies how the cash is to be applied.
  - 2 RMR04 is the amount paid.
  - 3 RMR05 is the amount of invoice (including charges, less allowance) before terms discount (if discount is applicable) or debit amount or credit amount of referenced items.
  - 4 RMR06 is the amount of discount taken.
  - 5 RMR08, if present, represents an interest penalty payment, amount late interest paid, or amount anticipation.

- Comments:**
- 1 Parties using this segment should agree on the content of RMR01 and RMR02 prior to initiating communication.
  - 2 If RMR03 is not present, this is a payment for an open item. If paying an open item, RMR02 must be present. If not paying a specific open item, RMR04 must be present.
  - 3 RMR05 may be needed by some payees to distinguish between duplicate reference

**Notes:**  
 THE "RMR" SEGMENT IS REQUIRED BY FEDEX.  
 The Tracking Number can be found in the 210 transaction in the "B302" element.

**Data Element Summary**

Ref.	Data			
<u>Des.</u>	<u>Element Name</u>		<u>Attributes</u>	
>>	RMR01	128	<b>Reference Identification Qualifier</b>	X ID 2/3
			Code qualifying the Reference Identification	
			CN Carrier's Reference Number (PRO/Invoice)	
			FR Freight Bill Number	
>>	RMR02	127	<b>Reference Identification</b>	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	>>
	RMR04	782	Tracking Number or PRO	
			<b>Monetary Amount</b> Monetary amount	O R 1/18
	RMR05	782	This is the payment amount.	
			<b>Monetary Amount</b> Monetary amount	O R 1/18
			This is the invoice amount.	

**SE** Transaction Set Trailer

**Position:** 010  
**Loop:**  
**Level:** Summary  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:** 1 SE is the last segment of each transaction set.

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	SE01	96	<b>Number of Included Segments</b>	<b>M NO 1/10</b>
			Total number of segments included in a transaction set including ST and SE segments	
M	SE02	329	<b>Transaction Set Control Number</b>	<b>M AN 4/9</b>
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

**CSV Remittance File Layout**

<u>Field</u>	<u>Field Name</u>	<u>Column In Excel</u>	<u>Type</u>	<u>Max Size</u>	<u>Mandatory or Optional</u>	<u>Comments</u>
1	Customer Reference	A	A	12	M	Customer's check # or other Reference
2	Payment Method Indicator	B	A	1	O	K - Check Payment
3	Customer ID	C	A	15	M	E - EFT
4	Invoice/Pro Number	D	A	12	M	Supplied by FedEx EDI Analyst
5	Account Number	E	N	10	O	10-digit numbers
6	(leave blank)	F	N	n/a	O	FedEx Freight Bill-To Number
7	Payment Amount	G	N	7.2	M	Max size 10 (2 decimal places)

Tips for Creating Your CSV Remittance File

You may create the file in Excel, but only save the file as .csv before sending to FedEx. Do not include column headers.

After the last payment record, the next record/row should be empty.

Column A – Use the same Reference on every row

Column C – Use the same Customer ID on every row

Column D – Reformat the Invoice/Pro number column to ‘number with 0 decimals’

Column G – include decimal or assumed at end. No \$ sign or minus sign. Do not total at the end.

NOTE: your check payment amount and file total amount must match.

Example built in CSV (do not include row 7 identifiers)

1	A	B	C	D	E	F	G
2	CHECK212	K	JOYCOMPANY	1112223333			101.75
3	CHECK212	K	JOYCOMPANY	2223334444			350.5
4	CHECK212	K	JOYCOMPANY	3334445555			72
5	CHECK212	K	JOYCOMPANY	4445556777			300.25
6							
7	Reference	Payment	Customer	Invoice/Pro Number	Optional:	blank	Payment
8		Method	Identifier		Bill-To #		Amount
9		Indicator					

Payment amount on row 4 is \$72.00.

# Functional Acknowledgement Record Layout

Note: FedEx only accepts 997 at the “Transaction Level”, not at the “Group Level”. An AK2 & AK5 segment must be sent for each ST/SE loop sent in the 210 invoice.

## SEGMENT STRUCTURE

### 997 Functional Acknowledgment Functional Group ID=FA

#### Introduction

This Draft Standard for Trial Use contains the format and establishes the data contents of the Functional Acknowledgment Transaction Set (997) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to define the control structures for a set of acknowledgments to indicate the results of the syntactical analysis of the electronically encoded documents. The encoded documents are the transaction sets, which are grouped in functional groups, used in defining transactions for business data interchange. This standard does not cover the semantic meaning of the information encoded in the transaction sets.

	<b>Pos. No.</b>	<b>Seg. ID</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Max.Use</b>	<b>Loop Repeat</b>
M	010	ST	Transaction Set Header	M	1	
M	020	AK1	Functional Group Response Header	M	1	
			LOOP ID - AK2			999999
			Transaction Set Response Header	O	1	
Must Use	030	AK2	LOOP ID - AK3			999999
			Data Segment Note	O	1	
	040	AK3	Data Element Note	O	99	
	050	AK4	Transaction Set Response Trailer	M	1	
M	060	AK5				
M	070	AK9	Functional Group Response Trailer			M 1
M	080	SE	Transaction Set Trailer	M	1	

# ST Transaction Set Header

010

Mandatory

1

To indicate the start of a transaction set and to assign a control number

**Syntax Notes:**

**Semantic Notes:**

1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

**Comments:**

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	ST01	143	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set	M ID 3/3
M	ST02	329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

# AK1 Functional Group Response Header

020

Mandatory

1

To start acknowledgment of a functional group

**Syntax Notes:**

**Semantic Notes:**

- 1 AK101 is the functional ID found in the GS segment (GS01) in the functional group being acknowledged.
- 2 AK102 is the functional group control number found in the GS segment in the functional group being acknowledged.

**Comments:**

**Notes:** SEGMENT REQUIRED BY FEDEX

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	AK101	479	<b>Functional Identifier Code</b>	<b>M ID 2/2</b>
			Code identifying a group of application related transaction sets	
			IM Motor Carrier Freight Details and Invoice (210, 980)	
M	AK102	28	<b>Group Control Number</b>	<b>M NO 1/9</b>
			Assigned number originated and maintained by the sender	

# AK2 Transaction Set Response Header

030  
 AK2 Optional (Must Use)

Optional (Must Use)  
 1  
 To start acknowledgment of a single transaction set

**Syntax Notes:**  
**Semantic Notes:**

- 1 AK201 is the transaction set ID found in the ST segment (ST01) in the transaction set being acknowledged.
- 2 AK202 is the transaction set control number found in the ST segment in the transaction set being acknowledged.

**Comments:**  
**Notes:** SEGMENT REQUIRED BY FEDEX

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	AK201	143	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set 997 Functional Acknowledgment	M ID 3/3
M	AK202	329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

# AK3 Data Segment Note

040  
AK3 Optional

Optional  
1  
To report errors in a data segment and identify the location of the data segment

**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element Name</u>	<u>Attributes</u>
M	AK301	721 Segment ID Code Code defining the segment ID of the data segment in error (See Appendix A - Number 77)	M ID 2/3
M	AK302	719 Segment Position in Transaction Set The numerical count position of this data segment from the start of the transaction set: the transaction set header is count position 1	M N0 1/6
	AK303	447 Loop Identifier Code The loop ID number given on the transaction set diagram is the value for this data element in segments LS and LE	O AN 1/6
	AK304	720 Segment Syntax Error Code Code indicating error found based on the syntax editing of a segment	O ID 1/3
		1 Unrecognized segment ID	
		2 Unexpected segment	
		3 Mandatory segment missing	
		4 Loop Occurs Over Maximum Times	
		5 Segment Exceeds Maximum Use	
		6 Segment Not in Defined Transaction Set	
		7 Segment Not in Proper Sequence	
		8 Segment Has Data Element Errors	

# AK4 Data Element Note

050  
 AK3 Optional

Optional  
 99  
 To report errors in a data element or composite data structure and identify the location of the data element

**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

1 In no case shall a value be used for AK404 that would generate a syntax error, e.g., an invalid character.

### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element Name</u>	<u>Attributes</u>
M	AK401	C030 <b>Position in Segment</b>	M
		Code indicating the relative position of a simple data element, or the relative position of a composite data structure combined with the relative position of the component data element within the composite data structure, in error; the count starts with 1 for the simple data element or composite data structure immediately following the segment ID	
M	C03001	722 <b>Element Position in Segment</b>	M N0 1/2
		This is used to indicate the relative position of a simple data element, or the relative position of a composite data structure with the relative position of the component within the composite data structure, in error; in the data segment the count starts with 1 for the simple data element or composite data structure immediately following the segment ID	
	C03002	1528 <b>Component Data Element Position in Composite</b>	O N0 1/2
		To identify the component data element position within the composite that is in error	
	AK402	725 <b>Data Element Reference Number</b>	O N0 1/4
		Reference number used to locate the data element in the Data Element Dictionary	
M	AK403	723 <b>Data Element Syntax Error Code</b>	M ID 1/3
		Code indicating the error found after syntax edits of a data element	
		1 Mandatory data element missing	
		2 Conditional required data element missing.	
		3 Too many data elements.	
		4 Data element too short.	
		5 Data element too long.	
		6 Invalid character in data element.	
		7 Invalid code value.	
		8 Invalid Date	
		9 Invalid Time	

AK404      724      10      Exclusion Condition Violated      O AN 1/99  
**Copy of Bad Data Element**  
 This is a copy of the data element in error

**AK5 Transaction Set Response Trailer**

060  
 AK2      Optional (Must Use)

Mandatory  
 1  
 To acknowledge acceptance or rejection and report errors in a transaction set

**Syntax Notes:**  
**Semantic**  
**Notes:**  
**Comments:**

**Notes:** SEGMENT IS REQUIRED BY FEDEX

**Data Element Summary**

Ref.	Data		Attributes
<u>Des.</u>	<u>Element Name</u>		
M	AK501	717 <b>Transaction Set Acknowledgment Code</b>	M ID 1/1
		Code indicating accept or reject condition based on the syntax editing of the transaction set	
		A - Accepted	
		E - Accepted But Errors Were Noted	
		M - Rejected, Message Authentication Code (MAC) Failed	
		R - Rejected	
		W - Rejected, Assurance Failed Validity Tests	
		X - Rejected, Content After Decryption Could Not Be Analyzed	
	AK502	718 <b>Transaction Set Syntax Error Code</b>	O ID 1/3
		Code indicating error found based on the syntax editing of a transaction set	
	AK503	718 <b>Transaction Set Syntax Error Code</b>	O ID 1/3
		Code indicating error found based on the syntax editing of a transaction set	
	AK504	718 <b>Transaction Set Syntax Error Code</b>	O ID 1/3
		Code indicating error found based on the syntax editing of a transaction set	
	AK505	718 <b>Transaction Set Syntax Error Code</b>	O ID 1/3
		Code indicating error found based on the syntax editing of a transaction set	
	AK506	718 <b>Transaction Set Syntax Error Code</b>	O ID 1/3
		Code indicating error found based on the syntax editing of a transaction set	

# AK9 Functional Group Response Trailer

070

Mandatory

1

To acknowledge acceptance or rejection of a functional group and report the number of included transaction sets from the original trailer, the accepted sets, and the received sets in this functional group

**Syntax**

**Notes:**

**Semantic**

**Notes:**

**Comments:** 1 If AK901 contains the value "A" or "E", then the transmitted functional group is accepted.

**Notes:** SEGMENT REQUIRED BY FEDEX

## Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element Name</u>	
M	AK901	715 <b>Functional Group Acknowledge Code</b> Code indicating accept or reject condition based on the syntax editing of the functional group	M ID 1/1
M	AK902	97 <b>Number of Transaction Sets Included</b> Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	M N0 1/6
M	AK903	123 <b>Number of Received Transaction Sets</b> Number of Transaction Sets received	M N0 1/6
M	AK904	2 <b>Number of Accepted Transaction Sets</b> Number of accepted Transaction Sets in a Functional Group	M N0 1/6
	AK905	716 <b>Functional Group Syntax Error Code</b> Code indicating error found based on the syntax editing of the functional group header and/or trailer	O ID 1/3
	AK906	716 <b>Functional Group Syntax Error Code</b> Code indicating error found based on the syntax editing of the functional group header and/or trailer	O ID 1/3
	AK907	716 <b>Functional Group Syntax Error Code</b> Code indicating error found based on the syntax editing of the functional group header and/or trailer	O ID 1/3
	AK908	716 <b>Functional Group Syntax Error Code</b> Code indicating error found based on the syntax editing of the functional group header and/or trailer	O ID 1/3
	AK909	716 <b>Functional Group Syntax Error Code</b> Code indicating error found based on the syntax editing of the functional group header and/or trailer	O ID 1/3

# SE Transaction Set Trailer

080

Mandatory

1

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

**Syntax Notes:**

**Semantic Notes:**

**Comments:** 1 SE is the last segment of each transaction set.

### Data Element Summary

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	SE01	96	<b>Number of Included Segments</b>	<b>M NO 1/10</b>
			Total number of segments included in a transaction set including ST and SE segments	
M	SE02	329	<b>Transaction Set Control Number</b>	<b>M AN 4/9</b>
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	