



2010 Motor Carrier Specifications

204 Motor Carrier Load Tender
214 Transportation Carrier Shipment Status Message
990 Response to a Load Tender
& Flat File Formats

*** Confidential ***

Table of Contents

Introduction.....	3
Data Format Options.....	3
Data Communications with FedEx Ground and FedEx SmartPost.....	3
Required Transmission Schedule.....	5
Getting Started.....	5
EDI Specifications.....	6
EDI 204 Motor Carrier Load Tender Specifications.....	7
EDI 214 Shipment Status Message Specifications.....	41
EDI 990 Response to a Load Tender Specifications.....	61
Flat File Specifications.....	71
Flat File Specifications – General Notes.....	72
Motor Carrier Load Tender Flat File Specifications.....	73
Shipment Status Message Flat File Specifications.....	83
Response to a Load Tender Flat File Specifications.....	89
Version Changes.....	93

Introduction

In today's dynamic transportation environment, real time information is essential in order to effectively conduct business. As a result, FedEx Ground and FedEx SmartPost are implementing an EDI program with all of its contracted motor carriers. This new program will allow FedEx Ground and FedEx SmartPost to tender truckload shipment information electronically (204), receive acceptance acknowledgement of a shipment (990) and allow the carrier to provide en-route updates on a truckload shipment (214).

This document contains the standard X12 specifications for the following EDI transaction sets: 204 and 214 for use with both FedEx Ground and FedEx SmartPost and 990 for use with FedEx Ground shipments only. Also available for FedEx Ground only are flat-file versions of each of those documents. The goal of this program is to increase the speed and accuracy of information passed from FedEx Ground and FedEx SmartPost to the Carrier and back, while eliminating manual errors, unnecessary phone calls and emails.

Data Format Options

Files may be sent to FedEx in either of the formats detailed below:

1. **FedEx Ground Proprietary Flat File Format** – Fixed-length flat file formats are available for each of the three documents that can be exchanged with FedEx Ground. Specifications for each of these layouts can be found within this documentation. This file format should be used if you do not have access to an EDI translator and are only available for FedEx Ground shipments.
2. **EDI Format** – FedEx Ground and FedEx SmartPost encourages the use of the X12 EDI standard formats. These specifications are included in this document for your review. This file format should only be used if you utilize appropriate EDI translation software

Data Communications with FedEx Ground and FedEx SmartPost

FedEx Corporate Services operates its own communication and translation network known as FedEx Net. FedEx Net enables timely and reliable transport, translation, and transformation of information, providing an easy single point of access to FedEx customers and business partners for Electronic Commerce and EDI business solutions. It is designed to support the extensive data transfers (shipping, tracking, invoicing) required by high-volume transaction customers. FedEx Net supports all FedEx operating companies.

FedEx Net operates 24 hours a day, 7 days a week.

Data Security

It is a FedEx Information Security requirement that all data, both inbound and outbound, be either encrypted or sent via a secure Web site (via the https protocol).

FedEx offers several communications options to its customers and EDI trading partners, including, Secure FTP, FTP (using GPG encryption), AS2, TD Access, HTTPS, as described in detail below.

Your assigned analyst will discuss the communication options available to you during the set up process.

Communication Options

Secure FTP

Secure File Transfer Protocol (sFTP) utilizes dedicated ports to securely transfer data between FedEx and its customers. In this configuration, it is the connection that is secured, not the data. Thus, there is no need to exchange certificates or keys. This also means that the commands, as well as the passwords, are also secure. sFTP uses secure shell (SSH) encryption. Transfers are binary and the data can either be pushed or mailboxed.

Like FTP, sFTP is a no-cost and relatively simple solution to implement. Several freeware sFTP software clients are available, such as FileZilla and WinSCP.

SFTP Using GPG Encryption

GPG (Gnu Privacy Guard) is a no-cost and fully compatible replacement for PGP (Pretty Good Privacy). Use of GPG involves the exchange of keys between FedEx and the customer. All data sent from FedEx to the customer is encrypted with the customer's public key. After the customer receives a data file, it is decrypted using its private key (that only the customer possesses). An identical reverse scenario applies to inbound data from customers to FedEx (customers encrypt data using the FedEx public key; upon receipt, FedEx decrypts using its private key). The customer's key should be sent to FedEx in plain text format (ASCII). Further details and downloads can be found at <http://www.gnupg.org/>.

This is the FedEx preferred method because it is simple to implement, effective, and very secure. Files can either be pushed to a customer (must provide FedEx with a DNS / IP address, login, and password) or can be delivered to a mailbox on FedEx Net, where the customer will logon and retrieve them.

AS2

Also known as EDI over the Internet (EDIINT), AS2 creates a wrapper around EDI or flat files, enabling them to be transferred via the Internet (instead of using a connection to a Value Added Network [VAN]). AS2 is a real-time technology that provides security and encryption around HTTP data packets. It enables information transmitted over public and private global networks to be digitally signed, secured, and non-repudiated. AS2 is proving to be a solid alternative to VAN interconnects.

To employ this option, the customer must have AS2 software. There are no network charges, however. Thus, if AS2 software is already in place, this remains a low-cost communications option. FedEx uses TDManager as its AS2 software. Other popular AS2 software applications include Cyclone and TrailBlazer.

TD Access (Windows Platform only)

TD Access is FedEx Net's communications software which allows customers to connect to FedEx Net, and also handles the encryption and compression of the files. Click Commerce, the vendor, supplies the software, walks the customer through the installation process, ensures the customer can communicate correctly, and helps the customer to configure TD Access to poll the mailbox at specified times. If files are present, they will be moved to a specified directory on the customer's system.

HTTPS

If necessary, customers can access their mailbox via a Web browser and a secure Web site (https). However, this is a manual process; files can be sent (or extracted) one at a time. If a customer prefers this option, FedEx will provide them with the URL, ID, and password at the time of implementation. Due to their high data volume, this option is not recommended for Priority Track customers.

Required Transmission Schedule

FedEx **REQUIRES** all carriers to transmit the following EDI transaction sets or the equivalent flat-file option (available for FedEx Ground shipments only) per the following Schedule:

990 Response to a Load Tender – (FedEx Ground shipments only) Carrier **MUST** respond within two (2) hours with either an acceptance or cancellation of the 204 Load Tender.

214 Carrier Shipment Status Message - Carrier **MUST** provide status message when arriving and departing the Shipper and Consignee locations. Additionally, for FedEx Ground shipments only, the carrier **MUST** provide an en-route status message every two (2) hours while in-transit to the final destination.

For SmartPost Shipments only:

- Only one (1) Trip Number per file (ISA). 1 transaction / 1 ST-SE combination.
- All stops for that one (1) unique Trip Number should be included in that ST/SE combination.
- If the carrier has a second unique trip number to send, a new ISA/IEA combination must be generated and sent.

Getting Started

Once your IT Department has successfully coded your files in either the EDI or flat file formats included in this documentation, please contact FedEx at edihelp@fedex.com and an analyst will be assigned to work through the testing and MTP process with you. If you have questions while working through the specifications, please feel free to contact us at edihelp@fedex.com or 1-800-546-5222 and select the EDI option and someone will be glad to answer your questions. We look forward to working with you in the very near future!

EDI Specifications

204 Motor Carrier Load Tender

Version 4010

Functional Group ID=**SM**

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	B2	Beginning Segment for Shipment Information Transaction	M	1	
M	030	B2A	Set Purpose	M	1	
	080	L11	Business Instructions and Reference Number	O	50	
	090	G62	Date/Time	C	1	
	120	PLD	Pallet Information	C	1	
	130	NTE	Note/Special Instruction	C	10	
LOOP ID - 0100						5
M	140	N1	Name	M	1	
	150	N2	Additional Name Information	O	1	
	160	N3	Address Information	O	2	
	170	N4	Geographic Location	O	1	
	190	G61	Contact	O	3	
LOOP ID - 0200						10
	200	N7	Equipment Details	O	1	

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 - 0300						999
M	010	S5	Stop-off Details	M	1	
	020	L11	Business Instructions and Reference Number	O	50	
	030	G62	Date/Time	O	2	
	040	AT8	Shipment Weight, Packaging and Quantity Data	O	1	
	065	NTE	Note/Special Instruction	O	20	
LOOP ID - 0310						1
	070	N1	Name	O	1	
	090	N3	Address Information	O	2	
	100	N4	Geographic Location	C	1	
	120	G61	Contact	O	3	
LOOP ID - 0320						99
	130	L5	Description, Marks and Numbers	O	1	
LOOP ID - 0325						99
	140	G61	Contact	O	1	
LOOP ID - 0330						25
	143	LH1	Hazardous Identification Information	O	1	
	144	LH2	Hazardous Classification Information	O	4	

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	020	SE	Transaction Set Trailer	M	1	

Segment: **ISA** Interchange Control Header
Position: 005
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments
Notes: **FedEx Business Usage**
 Preferred Element Separator = carat, "^", hex 5E
 Preferred Segment Delimiter = tilde, "~", hex 7E

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	ISA01	I01	Authorization Information Qualifier Code to identify the type of information in the Authorization Information 00 No Authorization Information Present (No Meaningful Information in I02)	M ID 2/2
M	ISA02	I02	Authorization Information Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01) Send ten (10) spaces.	M AN 10/10
M	ISA03	I03	Security Information Qualifier Code to identify the type of information in the Security Information 00 No Security Information Present (No Meaningful Information in I04)	M ID 2/2
M	ISA04	I04	Security Information This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03) Send ten (10) spaces.	M AN 10/10
M	ISA05	I05	Interchange ID Qualifier Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified Value to be established during communication set-up.	M ID 2/2
M	ISA06	I06	Interchange Sender ID Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element Value to be established during communication set-up.	M AN 15/15
M	ISA07	I05	Interchange ID Qualifier Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified Value to be established during communication set-up.	M ID 2/2
M	ISA08	I07	Interchange Receiver ID Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them Value to be established during communication set-up.	M AN 15/15
M	ISA09	I08	Interchange Date Date of the interchange	M DT 6/6

M	ISA10	I09	Interchange Time Time of the interchange	M TM 4/4
M	ISA11	I10	Interchange Control Standards Identifier Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 1/1
M	ISA12	I11	Interchange Control Version Number This version number covers the interchange control segments 00400 Standard Issued as ANSI X12.5-1997	M ID 5/5
M	ISA13	I12	Interchange Control Number A control number assigned by the interchange sender	M N0 9/9
M	ISA14	I13	Acknowledgment Requested Code sent by the sender to request an interchange acknowledgment (TA1) 0 No Acknowledgment Requested	M ID 1/1
M	ISA15	I14	Usage Indicator Code to indicate whether data enclosed by this interchange envelope is test, production or information P Production Data	M ID 1/1
M	ISA16	I15	Component Element Separator Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator Preferred value = pipe, " ", hex 7C	M AN 1/1

Segment: **GS** Functional Group Header
Position: 008
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a functional group and to provide control information
Comments: A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
M	GS01	479	Functional Identifier Code Code identifying a group of application related transaction sets SM Motor Carrier Load Tender (204)	M ID 2/2
M	GS02	142	Application Sender's Code Code identifying party sending transmission; codes agreed to by trading partners Value to be exchanged during communication set-up.	M AN 2/15
M	GS03	124	Application Receiver's Code Code identifying party receiving transmission; codes agreed to by trading partners Value to be exchanged during communication set-up.	M AN 2/15
M	GS04	373	Date Date expressed as CCYYMMDD	M DT 8/8
M	GS05	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	M TM 4/8
M	GS06	28	Group Control Number Assigned number originated and maintained by the sender	M N0 1/9
M	GS07	455	Responsible Agency Code Code used in conjunction with Data Element 480 to identify the issuer of the standard X Accredited Standards Committee X12	M ID 1/2
M	GS08	480	Version / Release / Industry Identifier Code Code indicating the version, release, sub release, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and sub release, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed 004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997	M AN 1/12

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

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 204 Motor Carrier Load Tender	M ID 3/3
M	ST02	329	Transaction Set Control Number 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

Segment: **B2** Beginning Segment for Shipment Information Transaction
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To transmit basic data relating to shipment information

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	B202	140	Standard Carrier Alpha Code Standard Carrier Alpha Code	M ID 2/4
M	B204	145	Shipment Identification Number Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters) FOR FEDEX GROUND SHIPMENTS: Order Number	M AN 1/30
M	B206	146	Shipment Method of Payment Code identifying payment terms for transportation charges PP Prepaid (by Seller)	M ID 2/2

Segment: **B2A** Set Purpose
Position: 030
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To allow for positive identification of transaction set purpose

Data Element Summary				
Ref.	Data	Name	Attributes	
<u>Des.</u>	<u>Element</u>			
M	B2A01	353 Transaction Set Purpose Code	M	ID 2/2
		Code identifying purpose of transaction set		
		00 Original		
				FOR FEDEX SMARTPOST SHIPMENTS, this will be the only code value utilized.
		01 Cancellation		
		04 Change		

Segment: **L11** Business Instructions and Reference Number
Position: 080
Loop:
Level: Heading
Usage: Optional
Max Use: 50
Purpose: To specify instructions in this business relationship or a reference number

Data Element Summary			
Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
L1101	127	Reference Identification	X AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
		FOR FEDEX GROUND SHIPMENTS: Order Identifier - This FedEx Ground Reference Number sent with a '2I' qualifier in the L1102 should be returned in the EDI 990 Transaction Set in the B102 element AND in the EDI 214 Transaction Set in the B1002 element.	
L1102	128	Reference Identification Qualifier	X ID 2/3
		Code qualifying the Reference Identification	
	2I	Order Identifier	
		FOR FEDEX GROUND SHIPMENTS ONLY	
	97	Total Package Count	
		FOR FEDEX SMARTPOST SHIPMENTS ONLY: FedEx SmartPost will send the Total Package Count in the L1101 using the '97' qualifier.	
	BM	Bill of Lading Number	
		FOR FEDEX GROUND SHIPMENTS ONLY	
	CR	Customer Reference Number	
		FOR FEDEX GROUND SHIPMENTS ONLY	
	FS	Total Stop Count	
		FOR FEDEX SMARTPOST SHIPMENTS ONLY: FedEx SmartPost will send the Total Stop Count in the L1101 using the 'FS' qualifier.	
	LO	Load Planning Number	
		FOR FEDEX GROUND SHIPMENTS ONLY	
	PO	Purchase Order Number	
		FOR FEDEX GROUND SHIPMENTS ONLY	

Segment: **G62** Date/Time
Position: 090
Loop:
Level: Heading
Usage: Conditional
Max Use: 1
Purpose: To specify pertinent dates and times
Notes: **THIS SEGMENT IS ONLY USED AND IS MANDATORY FOR FEDEX SMARTPOST SHIPMENTS.**

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	G6201	432	Date Qualifier Code specifying type of date 69 Scheduled Pick-Up Date	M ID 2/2
M	G6202	373	Date Date expressed as CCYYMMDD	M DT 8/8
M	G6203	176	Time Qualifier Code specifying the reported time U Scheduled Pick Up Time	M ID 1/2
M	G6204	337	Time Time expressed in 24-hour clock time as follows: HHMM, where H = hours (00-23) and M = minutes (00-59)	M TM 4/8
M	G6205	623	Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow GM Greenwich Mean Time	M ID 2/2

Segment: **PLD** Pallet Information
Position: 120
Loop:
Level: Heading
Usage: Conditional
Max Use: 1
Purpose: To specify pallet information including quantity, exchange, and weight
Notes: THIS SEGMENT IS ONLY USED AND IS MANDATORY FOR FEDEX SMARTPOST SHIPMENTS.

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	PLD01	406	Total Containers Count Total Number of Containers Shipped	M N0 1/3

Segment: **NTE** Note/Special Instruction
Position: 130
Loop:
Level: Heading
Usage: Conditional
Max Use: 10
Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction
Notes: **THIS SEGMENT IS ONLY USED AND IS MANDATORY FOR FEDEX SMARTPOST SHIPMENTS.**

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	NTE02	352	Route Description FedEx SmartPost Route Description	M AN 1/10

Segment: N1 Name
Position: 140
Loop: 0100 Mandatory
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To identify a party by type of organization, name, and code

Data Element Summary				
Ref.	Data	Name	Attributes	
Des.	Element			
M	N101	98	Entity Identifier Code	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
		BT	Bill-to-Party	
			FOR FEDEX GROUND SHIPMENTS ONLY	
		CO	Consignee	
			FOR FEDEX GROUND SHIPMENTS ONLY	
		MC	Motor Carrier	
			FOR FEDEX SMARTPOST SHIPMENTS ONLY	
		SH	Shipper	
			FOR FEDEX GROUND SHIPMENTS ONLY	
	N102	93	Name	O AN 1/60
			Free-form name	
	N103	66	Identification Code Qualifier	C ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
		93	Code assigned by the organization originating the transaction set	
			FOR FEDEX SMARTPOST SHIPMENTS ONLY - Code value for SmartPost Carrier ID	
	N104	67	Identification Code	C AN 2/80
			Code identifying a party or other code	
			FOR FEDEX SMARTPOST SHIPMENTS ONLY - SmartPost Carrier ID	

Segment: N2 Additional Name Information
Position: 150
Loop: 0100 Mandatory
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify additional names or those longer than 35 characters in length
Notes: THIS SEGMENT IS ONLY USED FOR FEDEX SMARTPOST SHIPMENTS.

Data Element Summary

Ref.	Data			Attributes
Des.	Element	Name		
M	N201	93	Name	M AN 1/60
			Free-form name	
			FOR FEDEX SMARTPOST SHIPMENTS ONLY – Carrier Location ID.	

Segment: N3 Address Information
Position: 160
Loop: 0100 Mandatory
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Notes: THIS SEGMENT IS ONLY USED FOR FEDEX GROUND SHIPMENTS.

Data Element Summary

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

Segment: **N4** Geographic Location
Position: 170
Loop: 0100 Mandatory
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Notes: **THIS SEGMENT IS ONLY USED FOR FEDEX GROUND SHIPMENTS.**

Data Element Summary

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

Segment: **G61** **Contact**
Position: 190
Loop: 0100 Mandatory
Level: Heading
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom communications should be directed
Notes: **THIS SEGMENT IS ONLY USED FOR FEDEX GROUND SHIPMENTS.**

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	G6101	366	iContact Function Code Code identifying the major duty or responsibility of the person or group named IC Information Contact	M ID 2/2
M	G6102	93	Name Free-form name	M AN 1/60
	G6103	365	Communication Number Qualifier Code identifying the type of communication number TE Telephone	X ID 2/2
	G6104	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80

Segment: N7 Equipment Details
Position: 200
Loop: 0200 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify the equipment

Data Element Summary			
Ref.	Data	Name	Attributes
Des.	Element		
M	N701	206 Equipment Initial	O AN 1/4
		Prefix or alphabetic part of an equipment unit's identifying number	
		THIS ELEMENT IS ONLY USED FOR FEDEX GROUND SHIPMENTS.	
	N702	207 Equipment Number	M AN 1/10
		Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	
		FOR FEDEX GROUND SHIPMENTS, THIS ELEMENT WILL CONTAIN THE EQUIPMENT NUMBER.	
		FOR FEDEX SMARTPOST SHIPMENTS, THIS ELEMENT WILL HAVE A ZERO (0) PASSED.	
	N703	81 Total Delivery Weight	X R 1/10
		Numeric value of weight	
		THIS ELEMENT IS ONLY USED FOR FEDEX SMARTPOST SHIPMENTS.	
	N704	187 Weight Qualifier	X ID 1/2
		Code defining the type of weight	
		THIS ELEMENT IS ONLY USED FOR FEDEX SMARTPOST SHIPMENTS.	
		N Actual Net Weight	
	N711	40 Equipment Description Code	O ID 2/2
		Code identifying type of equipment used for shipment	
		THIS ELEMENT IS ONLY USED FOR FEDEX GROUND SHIPMENTS.	
	N715	567 Equipment Length	O N0 4/5
		Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)	
		THIS ELEMENT IS ONLY USED FOR FEDEX GROUND SHIPMENTS.	

Segment: **S5** Stop-off Details
Position: 010
Loop: 0300 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify stop-off detail reference numbers and stop reason

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	S501	165	Stop Sequence Number Identifying number for the specific stop and the sequence in which the stop is to be performed	M N0 1/3
M	S502	163	Stop Reason Code Code specifying the reason for the stop	M ID 2/2
UNLESS INDICATED BY A NOTE UNDERNEATH THE CODE VALUE, ALL CODES IN THIS LISTING ARE FOR FEDEX GROUND SHIPMENTS ONLY.				
		AL	Advance Loading Carrier requested to hold a loaded trailer at carrier's facility or a place designated by the shipper for a brief period of time prior to delivery	
		CL	Complete	
		CN	Consolidate	
		DR	Deramp and Ramp for Subsequent Loading	
		DT	Drop Trailer	
		HT	Heat the Shipment	
		IN	Inspection	
		LD	Load	
FOR FEDEX GROUND AND SMARTPOST SHIPMENTS.				
		LE	Spot for Load Exchange (Export) Carrier requested to spot a loaded trailer at a prearranged location to allow for load exchange of an export shipment	
		PA	Pick-up Pre-loaded Equipment	
		PL	Part Load	
		PU	Part Unload	
		RT	Retrieval of Trailer Carrier required to retrieve an empty trailer at a prearranged location following delivery of an export shipment	
		SL	Spot for Load Carrier requested to spot trailer for loading	
		SU	Spot for Unload Carrier requested to spot trailer for unloading	
		TL	Transload	
		UL	Unload	
FOR FEDEX GROUND AND SMARTPOST SHIPMENTS.				
		WL	Weigh Loaded	

S503	81	Stop Weight Numeric value of weight THIS ELEMENT IS ONLY USED FOR FEDEX SMARTPOST SHIPMENTS ONLY.	C	R 1/10
S504	188	Weight Unit Code Code specifying the weight unit THIS ELEMENT IS ONLY USED FOR FEDEX SMARTPOST SHIPMENTS ONLY.	C	ID 1/1
		L Pounds		
S509	352	Stop ID A free-form description to clarify the related data elements and their content THIS ELEMENT IS ONLY USED FOR FEDEX SMARTPOST SHIPMENTS ONLY.	C	AN 1/20

Segment: **L11** Business Instructions and Reference Number
Position: 020
Loop: 0300 Mandatory
Level: Detail
Usage: Optional
Max Use: 50
Purpose: To specify instructions in this business relationship or a reference number
Notes: **THIS SEGMENT IS ONLY USED FOR FEDEX GROUND SHIPMENTS.**

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
L1101	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
L1102	128	Reference Identification Qualifier Code qualifying the Reference Identification QN Stop Identifier	X ID 2/3

Segment: **G62** **Date/Time**
Position: 030
Loop: 0300 Mandatory
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify pertinent dates and times
Notes: **THIS SEGMENT IS ONLY USED FOR FEDEX GROUND SHIPMENTS.**

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
G6201	432	Date Qualifier	X ID 2/2
		Code specifying type of date	
		37 Ship Not Before Date	
		38 Ship Not Later Than Date	
		67 Delivered By This Date	
		68 Requested Delivery Date	
G6202	373	Date	X DT 8/8
		Date expressed as DDMMCCYY	
G6203	176	Time Qualifier	X ID 1/2
		Code specifying the reported time	
		I Earliest Requested Pick Up Time	
		K Latest Requested Pick Up Time	
		L Latest Requested Delivery Time	
		Z Requested Delivery Time	
G6204	337	Time	X TM 4/8
		Time expressed in 24-hour clock time as follows: HHMMSSD, where H = hours (00-23), M = minutes (00-59) and S = integer seconds (00-59)	

Segment: **AT8** Shipment Weight, Packaging and Quantity Data
Position: 040
Loop: 0300 Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify shipment details in terms of weight, and quantity of handling units

Data Element Summary			
Ref.	Data	Name	Attributes
Des.	Element		
AT801	187	Weight Qualifier Code defining the type of weight THIS ELEMENT IS ONLY USED FOR FEDEX GROUND SHIPMENTS.	X ID 1/2
		G Gross Weight	
AT802	188	Weight Unit Code Code specifying the weight unit THIS ELEMENT IS ONLY USED FOR FEDEX GROUND SHIPMENTS.	X ID 1/1
		L Pounds	
AT803	81	Weight Numeric value of weight THIS ELEMENT IS ONLY USED FOR FEDEX GROUND SHIPMENTS.	X R 1/10
AT804	80	Lading/Package Quantity Number of units (pieces) of the lading commodity FOR FEDEX GROUND SHIPMENTS (Optional): Lading Quantity - Number of units (pieces) of the lading commodity FOR FEDEX SMARTPOST SHIPMENTS (Mandatory): Package Quantity - Number of units (pieces) that are not unitized.	C N0 1/7
AT805	80	Container Quantity Quantity of handling units that are unitized (for example on a pallet or in a container) THIS ELEMENT IS ONLY USED AND IS MANDATORY FOR FEDEX SMARTPOST SHIPMENTS.	C N0 1/7

Segment: **NTE** Note/Special Instruction
Position: 065
Loop: 0300 Mandatory
Level: Detail
Usage: Optional
Max Use: 20
Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction
Notes: **THIS SEGMENT IS ONLY USED FOR FEDEX GROUND SHIPMENTS.**

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
M	NTE02	352 Description	M AN 1/80
		A free-form description to clarify the related data elements and their content	
		Description of the Commodity	

Segment: **N1** Name
Position: 070
Loop: 0310 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code

Data Element Summary				
	<u>Ref.</u>	<u>Data</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 ST Ship To	M ID 2/3
	N102	93	Name Free-form name	X AN 1/60

Segment: N3 Address Information
Position: 090
Loop: 0310 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party

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

Segment: N4 Geographic Location
Position: 100
Loop: 0310 Optional
Level: Detail
Usage: Conditional
Max Use: 1
Purpose: To specify the geographic place of the named party

Data Element Summary			
Ref.	Data	Name	Attributes
Des.	Element		
N401	19	City Name Free-form text for city name THE N401 ELEMENT IS OPTIONAL FOR FEDEX GROUND SHIPMENTS AND MANDATORY FOR FEDEX SMARTPOST SHIPMENTS.	C ID 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency THE N402 ELEMENT IS OPTIONAL FOR FEDEX GROUND SHIPMENTS AND MANDATORY FOR FEDEX SMARTPOST SHIPMENTS.	C ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States) THE N403 ELEMENT IS OPTIONAL FOR FEDEX GROUND SHIPMENTS AND MANDATORY FOR FEDEX SMARTPOST SHIPMENTS.	C ID 3/15
N404	26	Country Code Code identifying the country THIS ELEMENT IS ONLY USED FOR FEDEX SMARTPOST SHIPMENTS: US = United States CA = Canada	O ID 2/3

Segment: **G61** **Contact**
Position: 120
Loop: 0310 Optional
Level: Detail
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom communications should be directed
Notes: **THIS SEGMENT IS ONLY USED FOR FEDEX GROUND SHIPMENTS.**

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	G6101	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named IC Information Contact	M ID 2/2
M	G6102	93	Name Free-form name	M AN 1/60
	G6103	365	Communication Number Qualifier Code identifying the type of communication number TE Telephone	X ID 2/2
	G6104	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80

Segment: **L5** Description, Marks and Numbers
Position: 130
Loop: 0320 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the line item in terms of description, quantity, packaging, and marks and numbers
Notes: **THIS SEGMENT IS ONLY USED FOR FEDEX GROUND SHIPMENTS.**

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
L502	79	Lading Description	O AN 1/50
		Description of an item as required for rating and billing purposes	
L503	22	Commodity Code	X AN 1/30
		Code describing a commodity or group of commodities	
L504	23	Commodity Code Qualifier	X ID 1/1
		Code identifying the commodity coding system used for Commodity Code	
		T Standard Transportation Commodity Code (STCC)	

Segment: **G61** **Contact**
Position: 140
Loop: 0325 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a person or office to whom communications should be directed
Notes: **THIS SEGMENT IS ONLY USED FOR FEDEX GROUND SHIPMENTS.**

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	G6101	366	Contact Function Code		M ID 2/2
			Code identifying the major duty or responsibility of the person or group named		
			HM Hazardous Material Contact		
M	G6102	93	Name		M AN 1/60
			Free-form name		
	G6103	365	Communication Number Qualifier		X ID 2/2
			Code identifying the type of communication number		
			TE Telephone		
	G6104	364	Communication Number		X AN 1/80
			Complete communications number including country or area code when applicable		

Segment: **LH1** Hazardous Identification Information
Position: 143
Loop: 0330 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the hazardous commodity identification reference number and quantity
Notes: **THIS SEGMENT IS ONLY USED FOR FEDEX GROUND SHIPMENTS.**

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	LH101	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken LB Pound	M ID 2/2
M	LH102	80	Lading Quantity Number of units (pieces) of the lading commodity	M N0 1/7
	LH103	277	UN/NA Identification Code Code identifying the hazardous material identification number as required by Title 49 of the code of Federal Regulations; UN/NA stands for United Nations/North America	O ID 6/6
	LH107	380	Quantity Numeric value of quantity	O R 1/15
	LH110	254	Packing Group Code Code indicating degree of danger in terms of Roman number I, II or III	O ID 1/3

Segment:	LH2	Hazardous Classification Information
Position:	144	
Loop:	0330	Optional
Level:	Detail	
Usage:	Optional	
Max Use:	4	
Purpose:	To specify the hazardous notation and endorsement information	
Notes:	THIS SEGMENT IS ONLY USED FOR FEDEX GROUND SHIPMENTS.	

Data Element Summary			
Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
LH201	215	Hazardous Classification	O ID 1/30
		The hazardous classification corresponding to the shipping name of the hazardous commodity	

Segment: **SE** Transaction Set Trailer
Position: 020
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)

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
M	SE02	329	Transaction Set Control Number 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

Segment: **GE** Functional Group Trailer
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of a functional group and to provide control information.

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	GE01	97	Number of Transaction Sets Included Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element. The count of ST segments within the Group.	M NO 1/6
M	GE02	28	Group Control Number Assigned number originated and maintained by the sender. Must be the same number as in the GS segment (GS06) for the group.	M NO 1/9

Segment: **IEA** Interchange Control Trailer
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To define the end of an interchange of one or more functional groups and interchange-related control segments.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	IEA01	I16	Number of Included Functional Groups A count of the number of functional groups included in an interchange. The count of GS segments within the transmission.	M NO 1/5
M	IEA02	I12	Interchange Control Number A control number assigned by the interchange sender. Must be the same number as in the ISA segment (ISA13) for the transmission.	M NO 9/9

214 Transportation Carrier Shipment Status Message

Version 4010

Functional Group ID=**QM**

	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.Use</u>	<u>Loop</u> <u>Repeat</u>
M	010	ST	Transaction Set Header	M	1	
M	020	B10	Beginning Segment for Transportation Carrier Shipment Status Message	M	1	
	030	L11	Business Instructions and Reference Number	C	300	
LOOP ID - 0200						999999
M	130	LX	Assigned Number	M	1	
LOOP ID - 0205						10
M	140	AT7	Shipment Status Details	M	1	
	143	MS1	Equipment, Shipment, or Real Property Location	C	1	
M	150	L11	Business Instructions and Reference Number	M	10	
LOOP ID - 0210						999999
	210	CD3	Carton (Package) Detail	C	1	
	240	NM1	Individual or Organizational Name	C	1	
	260	AT8	Shipment Weight, Packaging and Quantity Data	C	1	
M	610	SE	Transaction Set Trailer	M	1	

Segment: **ISA** Interchange Control Header
Position: 005
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments
Notes: **FOR SMARTPOST SHIPMENTS, PLEASE SEND ONE ISA FOR EVERY TRIP LOCATION ID.**

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ISA01	I01	Authorization Information Qualifier Code to identify the type of information in the Authorization Information 00 No Authorization Information Present (No Meaningful Information in I02)	M ID 2/2
M	ISA02	I02	Authorization Information Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01) Send ten (10) spaces.	M AN 10/10
M	ISA03	I03	Security Information Qualifier Code to identify the type of information in the Security Information 00 No Security Information Present (No Meaningful Information in I04)	M ID 2/2
M	ISA04	I04	Security Information This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03) Send ten (10) spaces.	M AN 10/10
M	ISA05	I05	Interchange ID Qualifier Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified Value to be established during communication set-up.	M ID 2/2
M	ISA06	I06	Interchange Sender ID Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element Value to be established during communication set-up.	M AN 15/15
M	ISA07	I05	Interchange ID Qualifier Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified Value to be established during communication set-up.	M ID 2/2
M	ISA08	I07	Interchange Receiver ID Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them Value to be established during communication set-up.	M AN 15/15
M	ISA09	I08	Interchange Date Date of the interchange	M DT 6/6

M	ISA10	I09	Interchange Time Time of the interchange	M	TM 4/4
M	ISA11	I10	Interchange Control Standards Identifier Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer Refer to 004010 Data Element Dictionary for acceptable code values.	M	ID 1/1
M	ISA12	I11	Interchange Control Version Number This version number covers the interchange control segments 00400 Standard Issued as ANSI X12.5-1997	M	ID 5/5
M	ISA13	I12	Interchange Control Number A control number assigned by the interchange sender	M	N0 9/9
M	ISA14	I13	Acknowledgment Requested Code sent by the sender to request an interchange acknowledgment (TA1) 0 No Acknowledgment Requested	M	ID 1/1
M	ISA15	I14	Usage Indicator Code to indicate whether data enclosed by this interchange envelope is test, production or information P Production Data	M	ID 1/1
M	ISA16	I15	Component Element Separator Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator	M	AN 1/1

Segment: **GS** Functional Group Header
Position: 008
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a functional group and to provide control information
Comments: A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	GS01	479	Functional Identifier Code Code identifying a group of application related transaction sets QM Transportation Carrier Shipment Status Message (214)	M ID 2/2
M	GS02	142	Application Sender's Code Code identifying party sending transmission; codes agreed to by trading partners Value to be exchanged during communication set-up.	M AN 2/15
M	GS03	124	Application Receiver's Code Code identifying party receiving transmission; codes agreed to by trading partners Value to be exchanged during communication set-up.	M AN 2/15
M	GS04	373	Date Date expressed as CCYYMMDD	M DT 8/8
M	GS05	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	M TM 4/8
M	GS06	28	Group Control Number Assigned number originated and maintained by the sender	M N0 1/9
M	GS07	455	Responsible Agency Code Code used in conjunction with Data Element 480 to identify the issuer of the standard X Accredited Standards Committee X12	M ID 1/2
M	GS08	480	Version / Release / Industry Identifier Code Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed 004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997	M AN 1/12

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Notes: Carriers must send one ST/SE combination for each status reporting.

Data Element Summary

	Ref.	Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	Transaction Set Identifier Code	M ID 3/3
			Code uniquely identifying a Transaction Set	
M	ST02	329	Transaction Set Control Number	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	

Segment: **B10** Beginning Segment for Transportation Carrier Shipment Status Message
Position: 020
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To transmit identifying numbers and other basic data relating to the transaction set

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	B1001	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier FOR FEDEX GROUND SHIPMENTS: Order Number -- Return in this element the Order Number which was sent in the B204 element of the EDI 204 document. FOR FEDEX SMARTPOST SHIPMENTS: Trip Number -- Return in this element the Trip Number which was sent in the B204 element of the EDI 204 document. Please send only one Trip Number per file.	M AN 1/10
	B1002	145	Shipment Identification Number Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters) THIS ELEMENT IS ONLY USED AND IS MANDATORY FOR FEDEX GROUND SHIPMENTS: Order Identifier -- Return in this element the Order Identifier which was sent in the L1102 with a qualifier of '2I' in the L1101 of the EDI 204 document.	C AN 1/10
M	B1003	140	Standard Carrier Alpha Code Standard Carrier Alpha Code	M ID 2/4

Segment: **L11** Business Instructions and Reference Number
Position: 030
Loop:
Level:
Usage: Conditional
Max Use: 300
Purpose: To specify instructions in this business relationship or a reference number
Notes: **THIS SEGMENT IS MANDATORY FOR BOTH FEDEX GROUND AND FEDEX SMARTPOST SHIPMENTS.**

Data Element Summary				
	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	L1101	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier FOR FEDEX SMARTPOST SHIPMENTS: Send the SmartPost Carrier ID in this field using a qualifier of IT in the L1102 (Note: this number should reflect the same Carrier ID that was sent in the 204 in the N104 segment). FOR FEDEX GROUND SHIPMENTS: Send the Carrier's Reference Number in this field using a qualifier of SI in the L1102	M AN 1/10
M	L1102	128	Reference Identification Qualifier Code qualifying the Reference Identification IT Internal Customer Number SmartPost Carrier ID SI Shipper's Identifying Number for Shipment (SID) A unique number (to the shipper) assigned by the shipper to identify the shipment Carrier's Reference Number Qualifier	M ID 2/3

Segment: **LX** Assigned Number
Position: 130
Loop: 0200 Mandatory
Level:
Usage: Mandatory
Max Use: 1
Purpose: To reference a line number in a transaction set

Data Element Summary

	Ref.	Data	Name	Attributes
	<u>Des.</u>	<u>Element</u>		
M	LX01	554	Assigned Number Number assigned for differentiation within a transaction set	M N0 1/6

Segment: **AT7** **Shipment Status Details**
Position: 140
Loop: 0205 Mandatory
Level:
Usage: Mandatory
Max Use: 1
Purpose: To specify the status of a shipment, the reason for that status, the date and time of the status and the date and time of any appointments scheduled.

Data Element Summary				
	Ref.	Data	Name	Attributes
	Des.	Element		
M	AT701	1650	Shipment Status Code	M ID 2/2
Code indicating the status of a shipment				
		AA	PickUp Appointment Date and Time	FEDEX GROUND SHIPMENTS ONLY. FedEx-Specific code value.
		AB	Delivery Appointment Date and Time	FEDEX GROUND SHIPMENTS ONLY. FedEx-specific code value.
		AF	Carrier Departed Pick-up Location with Shipment	FEDEX GROUND SHIPMENTS ONLY. This code value is mandatory to be sent when the carrier departs the pick up location.
		AG	Estimated Delivery	FEDEX GROUND SHIPMENTS ONLY.
		CD	Carrier Departed Delivery Location	FEDEX GROUND SHIPMENTS ONLY. This code value is mandatory to be sent when the carrier departs the delivery location.
		D1	Completed Unloading at Delivery Location	FEDEX GROUND SHIPMENTS ONLY.
		L1	Loading	FEDEX GROUND SHIPMENTS ONLY.
		OA	Out-Gate	FEDEX GROUND SHIPMENTS ONLY.
		X1	Arrived at Delivery Location	FEDEX GROUND AND SMARTPOST SHIPMENTS. This code value is mandatory to be sent when the carrier arrives at the delivery location.
		X3	Arrived at Pick-up Location	FEDEX GROUND AND SMARTPOST SHIPMENTS. This code value is mandatory to be sent when the carrier arrives at the pick up location.
		X6	En Route to Delivery Location	FEDEX GROUND SHIPMENTS ONLY.

Code indicating the reason a shipment status or appointment reason was transmitted

UNLESS INDICATED BY A NOTE UNDERNEATH THE CODE VALUE, ALL CODES IN THIS LISTING ARE FOR FEDEX GROUND SHIPMENTS ONLY.

A1	Missed Delivery
A2	Incorrect Address
A3	Indirect Delivery
A5	Unable to Locate
A6	Address Corrected - Delivery Attempted
AA	Mis-sort
AD	Customer Requested Future Delivery
AE	Restricted Articles Unacceptable
AF	Accident
AG	Consignee Related
AH	Driver Related
AI	Mechanical Breakdown
FOR FEDEX GROUND AND SMARTPOST SHIPMENTS.	
AJ	Other Carrier Related
AK	Damaged, Rewrapped in Hub
AL	Previous Stop
AM	Shipper Related
AN	Holiday - Closed
AO	Weather or Natural Disaster Related
FOR FEDEX GROUND AND SMARTPOST SHIPMENTS.	
AP	Awaiting Export
AQ	Recipient Unavailable - Delivery Delayed
AR	Improper International Paperwork
AS	Hold Due to Customs Documentation Problems
AT	Unable to Contact Recipient for Broker Information
AU	Civil Event Related Delay
AV	Exceeds Service Limitations
AW	Past Cut-off Time
FOR FEDEX GROUND AND SMARTPOST SHIPMENTS.	
FOR FEDEX SMARTPOST SHIPMENTS, THIS CODE VALUE INDICATES THAT YOU COULD NOT MAKE PICK UP IN CUSTOMER'S SHIPPING HOURS.	
AX	Insufficient Pick-up Time
AY	Missed Pick-up
AZ	Alternate Carrier Delivered
B1	Consignee Closed
FOR FEDEX GROUND AND SMARTPOST SHIPMENTS.	
B2	Trap for Customer
B4	Held for Payment
B5	Held for Consignee
B8	Improper Unloading Facility or Equipment

B9	Receiving Time Restricted FOR FEDEX GROUND AND SMARTPOST SHIPMENTS. FOR FEDEX SMARTPOST SHIPMENTS, THIS CODE VALUE INDICATES THAT YOU COULD NOT MAKE A DELIVERY IN CUSTOMER'S SHIPPING HOURS.
BB	Held per Shipper
BC	Missing Documents
BD	Border Clearance
BE	Road Conditions
BF	Carrier Keying Error
BG	Other
BH	Insufficient Time to Complete Delivery
BI	Cartage Agent
BJ	Customer Wanted Earlier Delivery
BK	Pearranged Appointment
BL	Held for Protective Service
BM	Flatcar Shortage
BN	Failed to Release Billing
BO	Railroad Failed to Meet Schedule
BP	Load Shifted
BQ	Shipment Overweight
BR	Train Derailment
BS	Refused by Customer FOR FEDEX GROUND AND SMARTPOST SHIPMENTS.
BT	Returned to Shipper
C1	Waiting for Customer Pick-up
C2	Credit Hold
C3	Suspended at Customer Request
C4	Customer Vacation
C5	Customer Strike
C6	Waiting Shipping Instructions
C7	Waiting for Customer Specified Carrier
C8	Collect on Delivery Required
C9	Cash Not Available From Consignee
CA	Customs (Import or Export)
CB	No Requested Arrival Date Provided by Shipper
CC	No Requested Arrival Time Provided by Shipper
D1	Carrier Dispatch Error
D2	Driver Not Available
F1	Non-Express Clearance Delay
F2	International Non-carrier Delay
HB	Held Pending Appointment
NA	Normal Appointment
NS	Normal Status FOR FEDEX GROUND AND SMARTPOST SHIPMENTS.
P1	Processing Delay
P2	Waiting Inspection
P3	Production Falldown
P4	Held for Full Carrier Load

			RC	Reconsigned	
			S1	Delivery Shortage	
			T1	Tractor With Sleeper Car Not Available	
			T2	Tractor, Conventional, Not Available	
			T3	Trailer not Available	
			T4	Trailer Not Usable Due to Prior Product	
			T5	Trailer Class Not Available	
			T6	Trailer Volume Not Available	
			T7	Insufficient Delivery Time	
M	AT705	373	Date		M DT 8/8
			Date expressed as CCYYMMDD		
M	AT706	337	Time		M TM 4/4
			Time expressed in 24-hour clock time as follows: HHMM, where H = hours (00-23), M = minutes (00-59)		
			FOR FEDEX GROUND SHIPMENTS: Time MUST BE SENT as Local Time.		
			FOR FEDEX SMARTPOST SHIPMENTS: Time can be sent in Central, Eastern, Mountain or Pacific Time and the AT707 code value MUST be sent with this element.		
	AT707	623	Time Code		C ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow		
			THIS ELEMENT IS ONLY NECESSARY FOR FEDEX SMARTPOST SHIPMENTS.		
			CT	Central Time	
			ET	Eastern Time	
			MT	Mountain Time	
			PT	Pacific Time	

Segment: **MS1** Equipment, Shipment, or Real Property Location
Position: 143
Loop: 0205 Mandatory
Level:
Usage: Conditional
Max Use: 1
Purpose: To specify the location of a piece of equipment, a shipment, or real property in terms of city and state or longitude and latitude
Notes: **THIS SEGMENT IS ONLY USED FOR FEDEX GROUND SHIPMENTS.**

Data Element Summary

	Ref.	Data	Name	Attributes
	<u>Des.</u>	<u>Element</u>		
M	MS101	19	City Name Free-form text for city name Status City Name	M AN 2/30
M	MS102	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency Status State Name	M ID 2/2

Segment: **L11** Business Instructions and Reference Number
Position: 150
Loop: 0200 Mandatory
Level:
Usage: Mandatory
Max Use: 10
Purpose: To specify instructions in this business relationship or a reference number

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	L1101	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier FOR FEDEX GROUND SHIPMENTS: Carriers must send the Stop Identification Number in this field with a qualifier of 'QN' in the L1102. FOR FEDEX SMARTPOST SHIPMENTS (Note: Two instances of the L11 are required for FedEx SmartPost Shipments): 1. Carriers must send the Stop Identification Number in this field with a qualifier of 'QN' in the L1102. This number was sent in the EDI 204 document in segment S509. 2. Carriers must send the Stop Reason Code (Stop Type) in this field with a qualifier of 'ZZ' in the L1102. This code value was sent in the EDI 204 document in segment S502. Appropriate code values are 'LD' for PickUp and 'UL' for Delivery.	M AN 1/30
M	L1102	128	Reference Identification Qualifier Code qualifying the Reference Identification QN Stop Sequence Number USED FOR FEDEX GROUND AND SMARTPOST SHIPMENTS. STOP IDENTIFICATION NUMBER ZZ Mutually Defined USED FOR FEDEX SMARTPOST SHIPMENTS ONLY. STOP TYPE (STOP REASON CODE)	M ID 2/3

Segment: **CD3** Carton (Package) Detail
Position: 210
Loop: 0210 Conditional
Level:
Usage: Conditional
Max Use: 1
Purpose: To transmit identifying codes, weights, and other related information related to an individual carton (package)
Notes: THIS SEGMENT IS ONLY USED AND IS MANDATORY FOR FEDEX SMARTPOST SHIPMENTS.

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	CD301	187	Weight Qualifier Code defining the type of weight G Gross Weight	M ID 1/2
M	CD302	81	Weight Numeric value of weight	M R 1/10
FOR FEDEX SMARTPOST SHIPMENTS ONLY. Carrier is to transmit the Stop Weight that was sent in the EDI 204 document in element S503.				

Segment: **NM1** Individual or Organizational Name
Position: 240
Loop: 0210 Conditional
Level:
Usage: Conditional
Max Use: 1
Purpose: To supply the full name of an individual or organizational entity
Notes: THIS SEGMENT IS ONLY USED AND IS MANDATORY FOR FEDEX SMARTPOST SHIPMENTS.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	NM101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual N5 Party Who Signed the Delivery Receipt PU Party at Pick-up Location	M ID 2/3
M	NM102	1065	Entity Type Qualifier Code qualifying the type of entity 1 Person	M ID 1/1
M	NM103	1035	Name Last or Organization Name Individual last name or organizational name	M AN 1/35
	NM104	1036	Name First Individual first name	O AN 1/25

Segment: **AT8** Shipment Weight, Packaging and Quantity Data
Position: 260
Loop: 0210 Conditional
Level:
Usage: Conditional
Max Use: 1
Purpose: To specify shipment details in terms of weight, and quantity of handling units
Notes: THIS SEGMENT IS ONLY USED AND IS MANDATORY FOR SMARTPOST SHIPMENTS – EITHER THE AT804 OR THE AT805 MUST BE SENT.

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
AT804	80	Lading Quantity - Package Number of packages picked up SEND LADING QUANTITY IN THE AT804 IF THE AT701 = X3	O N0 1/7
AT805	80	Lading Quantity - Containers Number of containers dropped off SEND LADING QUANTITY IN THE AT805 IF AT701 = X1	O N0 1/7

Segment: **SE** Transaction Set Trailer
Position: 610
Loop:
Level:
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)

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
M	SE02	329	Transaction Set Control Number 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

Segment: **GE** Functional Group Trailer
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of a functional group and to provide control information.

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	GE01	97	Number of Transaction Sets Included Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element. The count of ST segments within the Group.	M NO 1/6
M	GE02	28	Group Control Number Assigned number originated and maintained by the sender. Must be the same number as in the GS segment (GS06) for the group.	M NO 1/9

Segment: **IEA** Interchange Control Trailer
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To define the end of an interchange of one or more functional groups and interchange-related control segments.

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	IEA01	I16	Number of Included Functional Groups A count of the number of functional groups included in an interchange. The count of GS segments within the transmission.	M NO 1/5
M	IEA02	I12	Interchange Control Number A control number assigned by the interchange sender. Must be the same number as in the ISA segment (ISA13) for the transmission.	M NO 9/9

990 Response to a Load Tender

Version 4010

(Only required for FedEx Ground shipments)

Functional Group ID=**GF**

	Pos.	Seg.		Req.		Loop
	No.	ID	Name	Des.	Max.Use	Repeat
M	010	ST	Transaction Set Header	M	1	
M	020	B1	Beginning Segment for Booking or Pick-up/Delivery	M	1	
M	030	N9	Reference Identification	M	1	
M	070	SE	Transaction Set Trailer	M	1	

Segment: **ISA** Interchange Control Header
Position: 005
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments
Notes:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ISA01	I01	Authorization Information Qualifier Code to identify the type of information in the Authorization Information 00 No Authorization Information Present (No Meaningful Information in I02)	M ID 2/2
M	ISA02	I02	Authorization Information Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01) Send ten (10) spaces.	M AN 10/10
M	ISA03	I03	Security Information Qualifier Code to identify the type of information in the Security Information 00 No Security Information Present (No Meaningful Information in I04)	M ID 2/2
M	ISA04	I04	Security Information This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03) Send ten (10) spaces.	M AN 10/10
M	ISA05	I05	Interchange ID Qualifier Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified Value to be established during communication set-up.	M ID 2/2
M	ISA06	I06	Interchange Sender ID Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element Value to be established during communication set-up.	M AN 15/15
M	ISA07	I05	Interchange ID Qualifier Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified Value to be established during communication set-up.	M ID 2/2
M	ISA08	I07	Interchange Receiver ID Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them Value to be established during communication set-up.	M AN 15/15
M	ISA09	I08	Interchange Date Date of the interchange	M DT 6/6

M	ISA10	I09	Interchange Time Time of the interchange	M TM 4/4
M	ISA11	I10	Interchange Control Standards Identifier Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 1/1
M	ISA12	I11	Interchange Control Version Number This version number covers the interchange control segments 00400 Standard Issued as ANSI X12.5-1997	M ID 5/5
M	ISA13	I12	Interchange Control Number A control number assigned by the interchange sender	M N0 9/9
M	ISA14	I13	Acknowledgment Requested Code sent by the sender to request an interchange acknowledgment (TA1) 0 No Acknowledgment Requested	M ID 1/1
M	ISA15	I14	Usage Indicator Code to indicate whether data enclosed by this interchange envelope is test, production or information P Production Data	M ID 1/1
M	ISA16	I15	Component Element Separator Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator	M AN 1/1

Segment: **GS** Functional Group Header
Position: 008
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a functional group and to provide control information
Comments: A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	GS01	479	Functional Identifier Code Code identifying a group of application related transaction sets GF Response to a Load Tender (990)	M ID 2/2
M	GS02	142	Application Sender's Code Code identifying party sending transmission; codes agreed to by trading partners Value to be exchanged during communication set-up.	M AN 2/15
M	GS03	124	Application Receiver's Code Code identifying party receiving transmission; codes agreed to by trading partners Value to be exchanged during communication set-up.	M AN 2/15
M	GS04	373	Date Date expressed as CCYYMMDD	M DT 8/8
M	GS05	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	M TM 4/8
M	GS06	28	Group Control Number Assigned number originated and maintained by the sender	M N0 1/9
M	GS07	455	Responsible Agency Code Code used in conjunction with Data Element 480 to identify the issuer of the standard X Accredited Standards Committee X12	M ID 1/2
M	GS08	480	Version / Release / Industry Identifier Code Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed 004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997	M AN 1/12

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
M	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 990 Response to a Load Tender	M ID 3/3
M	ST02	329	Transaction Set Control Number 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

Segment: **B1** Beginning Segment for Booking or Pick-up/Delivery
Position: 020
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To transmit identifying numbers, dates, and other basic data relating to the transaction set

Data Element Summary				
	Ref.	Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	B101	140	Standard Carrier Alpha Code Standard Carrier Alpha Code	M ID 2/4
M	B102	145	Shipment Identification Number Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)	M AN 1/12
			Please return the Order Identifier in this field which was sent in the L1102 with a qualifier of '2I' in the L1101 of the EDI 204 document.	
M	B104	558	Reservation Action Code Code identifying action on reservation or offering A Reservation Accepted C Counter Proposal Made D Reservation Cancelled	M ID 1/1

Segment: **N9** Reference Identification
Position: 030
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Data Element Summary				
	Ref. Des.	Data Element	Name	Attributes
M	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification SI Carrier's Reference Number	M ID 2/3
M	N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier FedEx Ground requires a reference number to be sent which identifies the load in the Carrier's system for cash application purposes and will be included on the carrier's remittance advice.	M AN 1/30
M	N903	369	Free-form Description Free-form descriptive text You MUST send one of the following codes in this field: N = New Order U = Update to an Order C = Cancel an Order T = Test	M AN 1/45

Segment: **SE** Transaction Set Trailer
Position: 070
Loop:
Level:
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)

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
M	SE02	329	Transaction Set Control Number 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

Segment: **GE** Functional Group Trailer
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of a functional group and to provide control information.

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	GE01	97	Number of Transaction Sets Included Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element. The count of ST segments within the Group.	M NO 1/6
M	GE02	28	Group Control Number Assigned number originated and maintained by the sender. Must be the same number as in the GS segment (GS06) for the group.	M NO 1/9

Segment: **IEA** Interchange Control Trailer
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To define the end of an interchange of one or more functional groups and interchange-related control segments.

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
M	IEA01	I16	Number of Included Functional Groups A count of the number of functional groups included in an interchange. The count of GS segments within the transmission.	M NO 1/5
M	IEA02	I12	Interchange Control Number A control number assigned by the interchange sender. Must be the same number as in the ISA segment (ISA13) for the transmission.	M NO 9/9

Flat File Specifications

(Available for FedEx Ground shipments only)

FedEx Ground Motor Carrier Proprietary Flat File Specifications

General Notes

1) Data Type abbreviations are as follows:

A	=	Alpha (left-justified)
AN	=	Alphanumeric (left-justified)
N	=	Numeric (right-justified)
D	=	Date
T	=	Time
D/T	=	Date/Time

2) Numeric fields are right-justified and should contain leading zeros to fill the field.

3) Alphanumeric and Numeric fields are left-justified and should contain spaces at the end of the data to fill the field.

4) Date and Time fields should follow the format indicated in the Contents field and cannot contain any special characters or punctuation.

5) The FedEx Ground motor carrier proprietary files are fixed-length, carriage return/line feed record delimited ASCII files with the exception of record types "Transaction Record" and "EOT Record", which are space-delimited.

Motor Carrier Load Tender Flat File Specifications

(Available for FedEx Ground shipments only)

TRANSACTION RECORD (Mandatory)					
Field Name	Size	Position	Req.	Type	Contents
Type	5	1 - 5	M	A	"#TMWR"
Document Type	3	6 - 8	M	N	"204"
Literal Space	1	9 - 9	M	A	" " (space)
Literal FROM	4	10 - 13	M	A	"FROM"
Literal Space	1	14 - 14	M	A	" " (space)
Sender SCAC	1/6	N/A	M	AN	See footnote ^(a) for all possible FedEx Ground ID's
Literal Space	1	N/A	M	A	" " (space)
Literal TO	2	N/A	M	A	"TO"
Literal Space	1	N/A	M	A	" " (space)
Receiver TP ID	1/4	N/A	M	AN	CARRIER'S SCAC
Literal Space	1	N/A	M	A	" " (space)
Current Date	6	N/A	M	D	YYMMDD
Literal Space	1	N/A	M	A	" " (space)
Current Time	4	N/A	M	T	HHMM
Literal Space	1	N/A	M	A	" " (space)
Control Number	1 / 12	N/A	M	N	The Batch Control Number

Record Notes:

(a) The Transaction Record is space delimited, not fixed-length.

(b) The Transaction Record describes the document type, sender and receiver for this batch of documents.

BATCH HEADER RECORD (Mandatory)					
Field Name	Size	Position	Req.	Type	Contents
Type	2	1 - 2	M	N	"01"
Version	2	3 - 4	M	N	"01"
Order Count ^(b)	2/12	5 - 16	M	N	Number of 204's contained in this batch.

ORDER RECORD (Mandatory)					
Field Name	Size	Position	Req.	Type	Contents
Type	2	1 - 2	M	N	"02"
Version	2	3 - 4	M	N	"01"
Sender's TP ID	20	5 - 24	M	AN	See footnote ^(a) for all possible FedEx Ground ID's
Purpose	1	25 - 25	M	A	See footnote ^(c) for codes listing
Order Number	30	26 - 55	M	AN	FedEx Order Number
Book Date/Time	12	56 - 67	M	D/T	Date/Time the order was booked. YYYYMMDDHHMM
Start Date/Time	12	68 - 79	M	D/T	Date/Time the order starts. YYYYMMDDHHMM
End Date/Time	12	80 - 91	M	D/T	Date/Time the order ends. YYYYMMDDHHMM
Payment Method	6	92 - 97	M	A	See footnote ^(d) for standard codes listing
Reference Number	30	98 - 127	O	AN	Reference Number linked to the order.
Order Identifier	12	128 - 139	M	N	FedEx Order Identifier
Carrier Mileage	12	140 - 151	O	N	Carrier mileage on the order
Carrier Charge	12	152 - 163	O	N	Carrier charge on the order
Broker Linehaul Charge	12	164 - 175	O	N	Broker linehaul charge on the order
Broker Total Charge	12	176 - 187	O	N	Broker total charge on the order
Broker Fuel Charge	12	188 - 199	O	N	Broker fuel charge on the order
Broker Accessorial Charge	12	200 - 211	O	N	Broker accessorial charge on the order
Order Remark	254	212 - 465	O	AN	Order remark on the order
Order Extra Info	30	466 - 495	O	AN	Order extra info 1 for the order
Order Ship Conditions	30	496 - 525	O	AN	Order ship conditions for the order
Order Trailer Type 1	6	526 - 531	O	AN	Order trailer type 1 for the order

Record Notes:

(a) Every order begins with an Order Record (Type "02")

(b) The order ends when another Order Record or EOT Record is encountered.

STOP RECORD (Mandatory)					
Field Name	Size	Position	Req.	Type	Contents
Type	2	1 - 2	M	N	"03"
Version	2	3 - 4	M	N	"01"
Event	6	5 - 10	M	A	Primary event at the stop. See footnote ^(e) for codes listing.
Earliest Date/Time Pickup or Delivery	12	11 - 22	M	D/T	Earliest date/time stop may be made. YYYYMMDDHHMM
Latest Date/Time Pickup or Delivery	12	23 - 34	M	D/T	Latest date/time stop may be made. YYYYMMDDHHMM
Scheduled Arrival Date/Time Pickup or Delivery	12	35 - 46	M	D/T	Date/Time stop is to arrive. YYYYMMDDHHMM
Scheduled Departure Date/Time Pickup or Delivery	12	47 - 58	M	D/T	Date/Time stop is to depart. YYYYMMDDHHMM
Count Unit ^(f)	6	59 - 64	O	A	Quantity represents "cartons", "pallets", etc.
Count	10	65 - 74	O	N	Quantity of cargo. 9999999999 - No implied decimal
Weight Unit ^(f)	6	75 - 80	O	A	Weight represents "pounds", "tons", etc.
Weight	10	81 - 90	O	N	Weight of cargo. 9999999999 - No implied decimal
Volume Unit ^(f)	6	91 - 96	O	A	Volume represents "feet", "meters", etc.
Volume	10	97 - 106	O	N	Volume of cargo. 9999999999 - No implied decimal
Stop Identifier	12	107 - 118	M	N	Stop identification number
Location Code	20	119 - 138	O	AN	Store identification code
Trailer 1	13	139 - 151	O	AN	
Trailer 2	13	152 - 164	O	AN	

Record Notes:

(a) Stop Records are associated with the Order Record under which they appear.

(b) The order the Stop Records appear is assumed to be the sequence of stops.

(c) An order will have at least two Stop Records. The first stop will be a pick-up and the last stop will be a drop.

CARGO RECORD (Mandatory)					
Field Name	Size	Position	Req.	Type	Contents
Type	2	1 - 2	M	N	"04"
Version	2	3 - 4	M	N	"01"
Count Unit ^(d)	6	5 - 10	O	A	Quantity represents "cartons", "pallets", etc.
Count	10	11 - 20	O	N	Quantity of cargo. 9999999999 - No implied decimal
Weight Unit ^(f)	6	21 - 26	O	A	Weight represents "pounds", "tons", etc.
Weight	10	27 - 36	O	N	Weight of cargo. 9999999999 - No implied decimal
Volume Unit ^(f)	6	37 - 42	O	A	Volume represents "feet", "meters", etc.
Volume	10	43 - 52	O	N	Volume of cargo. 9999999999 - No implied decimal
Rate Unit ^(f)	6	53 - 58	O	A	Rate represents ...
Rate	10	59 - 68	O	N	Rate of cargo. 9999999999 - No implied decimal
Charge	10	69 - 78	O	N	Charge of cargo. 9999999999 - No implied decimal
Commodity	60	79 - 138	O	AN	Description of the commodity.
Commodity Code	8	139 - 146	O	AN	Commodity ID
Cargo Identifier	12	147 - 158	O	N	Cargo identification number
Actual Quantity	10	159 - 168	O	N	Actual quantity of cargo
Actual Quantity Unit ^(f)	6	169 - 174	O	AN	Actual quantity UOM
Edi Commodity	30	175 - 204	O	AN	Edi commodity description

Record Notes:

- (a) Cargo Records are associated with the Stop Record under which they appear.**
(b) The order the Cargo Records appear is the order the cargo will appear under the stop.

MISCELLANEOUS DATA RECORD (Optional)					
Field Name	Size	Position	Req.	Type	Contents
Type	2	1 - 2	M	N	"05"
Version	2	3 - 4	M	N	"01"
Miscellaneous Data Type	6	5 - 10	O	AN	See footnote ⁽⁹⁾ for codes listing
Miscellaneous Data	254	11 - 264	O	AN	The miscellaneous data itself.
Note Type	8	265 - 272	O	AN	Note type code ("E" for EDI or "CA" for Carrier)

Record Notes:

- (a) *Miscellaneous Data Records may be associated with Order, Cargo and Company Records.*
(b) *The Miscellaneous Data Record is associated with whichever type of Record it appears under.*
(c) *Miscellaneous Data Type "RM" (REMARK) can only be associated with either the Order or Cargo Records.*

COMPANY RECORD (Mandatory)					
Field Name	Size	Position	Req.	Type	Contents
Type	2	1 - 2	M	N	"06"
Version	2	3 - 4	M	N	"01"
Company Type	2	5 - 6	M	A	See footnote ⁽ⁿ⁾ for codes listing
Name	35	7 - 41	M	AN	Company name
Address 1	35	42 - 76	O	AN	Company address line one
Address 2	35	77 - 111	O	AN	Company address line two
City	20	112 - 131	O	A	Company city
State	2	132 - 133	O	A	Company state
Zip	10	134 - 143	O	N	Company zip
Country	3	144 - 146	O	AN	
Phone	20	147 - 166	O	N	Company primary phone
Contact	30	167 - 196	O	AN	Company contact
Location Code	20	197 - 216	O	AN	

Record Notes:

- (a) *Company Records may be associated with either Order or Stop Records.*
(b) *The Company Record is associated with whichever type of record it appears under.*

EOT RECORD (Mandatory)					
Field Name	Size	Position	Req.	Type	Contents
Type	4	1 - 4	M	A	#EOT
Literal Space	1	5 - 5	M	A	" " (space)
Control Number	1/12	N/A	M	N	The batch control number
Literal Space	1	N/A	M	A	" " (space)
Detail Line Count	1/12	N/A	M	N	The number of detail lines in the set of documents. This does not include any header record(s)

Record Notes:

(a) The EOT Record is space delimited, not fixed-length.

(b) The EOT Record terminates the end of a batch of records for a trading partner.

Motor Carrier Load Tender Message Footnotes

(a) Multiple sender codes can be used to identify FedEx Ground. These are not all valid SCAC codes, but are unique codes to identify particular customers for revenue allocation. Any of the following code values may be used:

FXG
FXSP
FXNL
FXF
LTD
FXZS
FXPD
FXBH
GINT
SINT
CINT
FSCS
FDTB
IDD
FDE

(b) In the Batch Record, the Order Count field has a size of 2/12. The only time it is necessary to send leading zeros is when the count is fewer than two digits.

(c) Supported Purpose Code Values are:

N	New
U	Update
C	Cancel

(d) Supported Methods of Payment are:

COL	Collect
PPD	Prepaid
THR	Third Party

(e) Supported Event Codes/Descriptions are:

PLD	Advanced Loading
HLT	Advanced Loading
DLD	Advanced Loading
CL	Complete Load
CN	Consolidate
CU	Complete Unload
DR	De-ramp and Ramp for Subsequent Loading
DLT	Drop Trailer
DMT	Drop Trailer
HT	Heat the Shipment
IN	Inspection
LLD	Load
EXC	Spot for Load Exchange (Export)
HPL	Pickup Preloaded Equipment
LLD	Part Load
LUL	Park Unload
HMT	Retrieval of Trailer
SL	Spot for Load
DRL	Spot for Unload
XDL	Transload
LUL	Unload
WL	Weigh Loaded

(f) Unit is required if its corresponding field has a value other than 0 or blank. For example, Rate Unit is required if Rate has a value other than 0 or blank.

(g) Supported Miscellaneous Data Types/Descriptions are:

REF	Customer Reference
HAZCLA	Hazmat Class
PACGRP	Package Group
EMECN	Emergency Contact Number
HAZDES	Hazmat Description
HAZPCS	Hazmat Pieces
HAZWGT	Hazmat Weight
UN/NA	UN/NA Hazmat Code
CONNAM	Emergency Contact Name
BL#	Bill of Lading
LOAD	Load Number
PO#	Purchase Order Number
RM	Remarks/Notes associated with the order

(h) Supported Company Type code values are:

SH	Shipper
CO	Consignee
BT	Bill-To
ST	Stop

Shipment Status Message Flat File Specifications

(Available for FedEx Ground shipments only)

TRANSACTION RECORD (Mandatory)					
Field Name	Size	Position	Req.	Type	Contents
Type	5	1 - 5	M	A	"#TMWR"
Document Type	3	6 - 8	M	N	"214"
Literal Space	1	9 - 9	M	A	" " (space)
Literal FROM	4	10 - 13	M	A	"FROM"
Literal Space	1	14 - 14	M	A	" " (space)
Sender SCAC	1/4	N/A	M	AN	SCAC of the carrier
Literal Space	1	N/A	M	A	" " (space)
Literal TO	2	N/A	M	A	"TO"
Literal Space	1	N/A	M	A	" " (space)
Receiver TP ID	1/6	N/A	M	AN	Receiver's Trading Partner ID
Literal Space	1	N/A	M	A	" " (space)
Current Date	6	N/A	M	D	YYMMDD
Literal Space	1	N/A	M	A	" " (space)
Current Time	4	N/A	M	T	HHMM
Literal Space	1	N/A	M	A	" " (space)
Control Number	1 / 12	N/A	M	N	The batch control number

Record Notes:

(a) The Transaction Record is space delimited, not fixed-length.

(b) The Transaction Record describes the document type, sender and receiver for this batch of documents.

BATCH HEADER RECORD (Mandatory)					
Field Name	Size	Position	Req.	Type	Contents
Type	2	1 - 2	M	N	"01"
Version	2	3 - 4	M	N	"01"
214 Count	12	5 - 16	M	N	Number of 214's contained in this batch.

HEADER RECORD (Mandatory)					
Field Name	Size	Position	Req.	Type	Contents
Type	2	1 - 2	M	N	"02"
Version	2	3 - 4	M	N	"01"
SCAC	20	5 - 24	M	AN	Sending Trading Partner SCAC
Order Identifier	12	25 - 36	M	N	Order ID on Original Order
Order Number	30	37 - 66	M	AN	Order Number
Reference Number	30	67 - 96	M	AN	Reference ID
Receiving Trading Partner ID	20	97 - 116	M	AN	Receiver's Trading Partner ID

STATUS RECORD (Mandatory)					
Field Name	Size	Position	Req.	Type	Contents
Type	2	1 - 2	M	N	"03"
Version	2	3 - 4	M	N	"01"
Stop Identifier	12	5 - 16	M	N	Stop Identification Number
Status Code	2	17 - 18	M	AN	See Footnote ^(a) for code listing
Status Date/Time	12	19 - 30	M	D/T	YYYYMMDDHHMM ^(b)
Reason Code	2	31 - 32	M	AN	See Footnote ^(c) for code listing
Status City	18	33 - 50	O	A	
Status State/Province	2	51 - 52	O	A	
Stop Latitude	10	53 - 62	O	AN	NOT USED
Stop Longitude	10	63 - 72	O	AN	NOT USED

STATUS RECORD 2 (Optional)					
Field Name	Size	Position	Req.	Type	Contents
Type	2	1 - 2	M	N	"04"
Version	2	3 - 4	M	N	"01"
Miscellaneous Type	3	5 - 7	M	AN	See approved ANSI-X12 codes listing for DE-128 - Reference Number Qualifier
Miscellaneous Data	50	8 - 57	M	AN	

Record Notes:

(a) Status Record 2 may be associated with the Header Record and/or the Status Record.

(b) Status Record 2 is associated with whichever type of Record it appears under.

EOT RECORD (Mandatory)					
Field Name	Size	Position	Req.	Type	Contents
Type	4	1 - 4	M	A	#EOT
Literal Space	1	5 - 5	M	A	" " (space)
Control Number	1/12	N/A	M	N	The batch control number
Literal Space	1	N/A	M	A	" " (space)
Detail Line Count	1/12	N/A	M	N	The number of detail lines in the set of documents. This does not include any header record(s)

Record Notes:

(a) The EOT Record is space delimited, not fixed-length.

(b) The EOT Record terminates the end of a batch of records for a trading partner.

Transportation Carrier Shipment Status Message Footnotes

(a) Shipment Status Codes

AA	PickUp Appointment
AB	Delivery Appointment
AF	Departed Pick-up Location
AG	Estimated Arrival at Destination
CD	Departed Delivery Location
D1	Rail Notification of Unloading from Railcar
I1	In-Gate
OA	Out-Gate
X1	Arrival at Delivery Location
X3	Arrived at Pick-up Location
X6	Location Report

Codes that are bolded are MANDATORY.

The X6 and AG status codes may be paired within the same file. Used to generate a Check Call record.

(b) Status Time MUST BE SENT as local time.

(c) Shipment Status Reason Codes

A1	Missed Delivery
A2	Incorrect Address
A3	Indirect Delivery
A5	Unable to Locate
A6	Address Corrected - Delivery Attempted
AA	Missort
AD	Customer Requested Future Delivery
AE	Restricted Articles Unacceptable
AF	Accident
AG	Consignee Related
AH	Driver Related
AI	Mechanical Breakdown
AJ	Other Carrier Related
AK	Damaged, Rewrapped in Hub
AL	Previous Stop
AM	Shipper Related
AN	Holiday - Closed
AO	Weather or Natural Disaster Related
AP	Awaiting Export
AQ	Recipient Unavailable - Delivery Delayed
AR	Improper International Paperwork
AS	Hold Due to Customs Documentation Problems
AT	Unable to Contact Recipient for Broker Information
AU	Civil Event Related Delay
AV	Exceeds Service Limitations
AW	Past Cut-off Time
AX	Insufficient Pick-up Time
AY	Missed Pick-up
AZ	Alternate Carrier Delivered
B1	Consignee Closed
B2	Trap for Customer
B4	Held for Payment
B5	Held for Consignee
B8	Improper Unloading Facility or Equipment
B9	Receiving Time Restricted
BB	Held per Shipper
BC	Missing Documents
BD	Border Clearance
BE	Road Conditions
BF	Carrier Keying Error
BG	Other
BH	Insufficient Time to Complete Delivery
BI	Cartage Agent
BJ	Customer Wanted Earlier Delivery
BK	Prearranged Appointment
BL	Held for Protective Service
BM	Flatcar Shortage
BN	Failed to Release Billing
BO	Railroad Failed to Meet Schedule
BP	Load Shifted
BQ	Shipment Overweight

BR	Train Derailment
BS	Refused by Customer
BT	Returned to Shipper
C1	Waiting for Customer Pick-up
C2	Credit Hold
C3	Suspended at Customer Request
C4	Customer Vacation
C5	Customer Strike
C6	Waiting Shipping Instructions
C7	Waiting for Customer Specified Carrier
C8	Collect on Delivery Required
C9	Cash Not Available From Consignee
CA	Customs (Import or Export)
CB	No Requested Arrival Date Provided by Shipper
CC	No Requested Arrival Time Provided by Shipper
D1	Carrier Dispatch Error
D2	Driver Not Available
F1	Non-Express Clearance Delay
F2	International Non-carrier Delay
HB	Held Pending Appointment
NA	Normal Appointment
NS	Normal Status
P1	Processing Delay
P2	Waiting Inspection
P3	Production Falldown
P4	Held for Full Carrier Load
RC	Reconsigned
S1	Delivery Shortage
T1	Tractor With Sleeper Car Not Available
T2	Tractor, Conventional, Not Available
T3	Trailer not Available
T4	Trailer Not Usable Due to Prior Product
T5	Trailer Class Not Available
T6	Trailer Volume Not Available
T7	Insufficient Delivery Time

Response to a Load Tender Flat File Specifications

(Available for FedEx Ground shipments only)

TRANSACTION RECORD (Mandatory)					
Field Name	Size	Position	Req.	Type	Contents
Type	5	1 - 5	M	A	"#TMWR"
Document Type	3	6 - 8	M	N	"990"
Literal Space	1	9 - 9	M	A	" " (space)
Literal FROM	4	10 - 13	M	A	"FROM"
Literal Space	1	14 - 14	M	A	" " (space)
Sender SCAC	1/4	N/A	M	AN	SCAC of the carrier
Literal Space	1	N/A	M	A	" " (space)
Literal TO	2	N/A	M	A	"TO"
Literal Space	1	N/A	M	A	" " (space)
Receiver TP ID	1/6	N/A	M	AN	Receiver's Trading Partner ID
Literal Space	1	N/A	M	A	" " (space)
Current Date	6	N/A	M	D	YYMMDD
Literal Space	1	N/A	M	A	" " (space)
Current Time	4	N/A	M	T	HHMM
Literal Space	1	N/A	M	A	" " (space)
Control Number	1 / 12	N/A	M	N	The batch control number

Record Notes:

(a) The Transaction Record is space delimited, not fixed-length.

(b) The Transaction Record describes the document type, sender and receiver for this batch of documents.

BATCH HEADER RECORD (Mandatory)					
Field Name	Size	Position	Req.	Type	Contents
Type	2	1 - 2	M	N	"01"
Version	2	3 - 4	M	N	"01"
990 Count	4	5 - 8	M	N	Number of 990's contained in this batch.

HEADER RECORD (Mandatory)					
Field Name	Size	Position	Req.	Type	Contents
Type	2	1 - 2	M	N	"02"
Version	2	3 - 4	M	N	"01"
SCAC	20	5 - 24	M	AN	Sending Trading Partner SCAC
Order Identifier	12	25 - 36	M	AN	Order ID on Original Order
Order Number	30	37 - 66	O	AN	Order Number
Action	1	67 - 67	M	A	See footnote ^(a) for codes listing
Receiving Trading Partner ID	20	68 - 87	M	AN	Receiver's Trading Partner ID
Order Type	1	88 - 88	M	AN	See footnote ^(b) for codes listing
Reference Number	30	89 - 118	M	AN	Reference Number from Trading Partner

EOT RECORD (Mandatory)					
Field Name	Size	Position	Req.	Type	Contents
Type	4	1 - 4	M	A	#EOT
Literal Space	1	5 - 5	M	A	" " (space)
Control Number	1/12	N/A	M	N	The batch control number.
Literal Space	1	N/A	M	A	" " (space)
Detail Line Count	1/12	N/A	M	N	The number of detail lines in the set of documents. This does not include any header record(s)

Record Notes:

(a) The Transaction Record is space delimited, not fixed-length.

(b) The Transaction Record describes the document type, sender and receiver for this batch of documents.

Response to a Load Tender Message Footnotes

^(a) Supported Action Code Values are:

A	Reservation Accepted
D	Reservation Declined

^(b) Supported Order Type Code Values are:

N	New Order
U	Update to an Order
C	Cancel Order

Version Changes

Version 1.6

EDI 204 Transaction Set

- Page 18 – Deleted notes in the N102 element.
- Page 19 – The N2 segment has been designated for SmartPost shipments only and notes have been added to explain what will be sent in this segment.

EDI 214 Transaction Set

- Page 42 – Added a note to the ISA segment explaining the SmartPost requirements.
- Page 46 – Additional information has been added to the notes section of the B1001.