



FedEx Ship Manager® Server
v.18.0.1

Technical What's New Guide



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Legal and Copyright Notices

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Payment

You must remit payment in accordance with the *FedEx Service Guide*, tariff, service agreement or other terms or instructions provided to you by FedEx from time to time. You may not withhold payment on any shipments because of equipment failure or for the failure of FedEx to repair or replace any equipment.

Inaccurate Invoices

If you generate an inaccurate invoice, FedEx may bill or refund to you the difference according to the *FedEx Service Guide*, tariff service agreement or other terms or instructions provided to you by FedEx from time to time. A request for refund on a FedEx shipment must be made in accordance with the applicable Service Guide or terms or instructions provided by FedEx from time to time. A shipment given to FedEx with incorrect information is not eligible for refund under any FedEx money-back guarantee. FedEx may suspend any applicable money-back guarantee in the event of equipment failure or if it becomes inoperative.

Disclaimer

All Improper Transaction scenarios are for example only. They do not reflect all error condition scenarios.

About This Document

The *FedEx Ship Manager® Server Technical What's New Guide* provides technical information about features in this release. It contains descriptions of new features, transactions and transaction fields that make up the new functionality and enhancements included in the software since the v 17.0.1 release.

This document is *not* intended for use as a coding reference or as a detailed technical specification of the new features. Details for all features described in this document are included in the *FedEx Ship Manager® Server Transaction Coding Reference Guide* and the *FedEx Ship Manager® Server Developer Guide*.

Note: This document lists the data elements for this release of the FedEx Ship Manager® Server.

Audience

This document is intended for the following audiences.

- Shipper managers, users, or developers interested in obtaining FedEx Ship Manager® Server
- Customer managers, users, or developers using FedEx Ship Manager® Server for the first time
- Customer managers, users, or developers already using FedEx Ship Manager® Server wanting to learn about the new and enhanced features in this release
- Managers, users, or developers of third-party development organizations

Conventions

This guide uses the following conventions in the text.

Indicator	Description
Courier New	Sample transaction code is formatted in Courier New.
<i>Note</i>	Important notices begin with the word “Note.”
Bold	In task instructions, software user interface elements, or information you need to enter in a field or transaction, are formatted in bold.
<i>italics</i>	Names of documents and FSMS transactions are shown in italics. For instance, the 020/120 Global Ship Request/Reply. First occurrence of a term is italicized followed by a definition. For instance <i>EEI filing</i> (Electronic Export Information).
purple	Cross-references are in purple.

Resources

- [FedEx Ship Manager® Server Installation and Configuration Guide](#)
- [FedEx Ship Manager® Server Developer Guide](#)
- [FedEx Ship Manager® Server Technical What's New Guide](#)
- FedEx Ship Manager® Server Technical What's new previous versions are at [v17.0.1](#), [v16.0.1](#), [v15.0.1](#), [v14.0.1](#), [v13.0.1](#), [v12.0.1](#), [v11.0.1](#), [v10.6.1](#)
- [FedEx Ship Manager® Server Transaction Coding Reference Guide](#)
- FedEx Service Guide: fedex.com/us/service-guide
- FedEx Services At-a-Glance: fedex.com/us/services/ata glance.html
- FedEx Developer Resource Center: fedex.com/developer

Support

Support Type	Access	Prompt	Support Topics	Hours
Web	FedEx.com	NA	NA	NA
FedEx Technical Support	1.877.339.2774	FedEx Ship Manager Server	fedex.com FedEx Ship Manager FedEx Web Services More options	Monday to Friday CST 7 a.m. – 9 p.m. Saturday CST 9 a.m. – 3 p.m.
FedEx Customer Service	1.800.463.3339	In a few words, please say what you are calling about.	Schedule a pick-up I need shipping rates Track a package Find a FedEx location More options	24 hours a day, 7 days a week
FedEx Dangerous Goods	1.800.463.3339	say Dangerous Goods or type 81 on phone keypad <i>Note: 81 is the IVR option for Dangerous Goods for the support number 1.800.463.3339</i>	Schedule a dangerous goods or HazMat pick-up, ship alcohol or firearms, get rates or order supplies Technical Support International Dangerous Goods questions Speak with a Dangerous Goods Representative	Monday to Friday CST 7 a.m. – 7 p.m. Saturday CST 10 a.m. – 2 p.m.

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

If you have questions or need technical assistance:

- United States and Canada: call 1.877.339.2774. Support hours are 7 a.m. to 9 p.m. CT Monday through Friday and 9 a.m. to 3 p.m. CT Saturday
- Europe: email techsupport_emea@fedex.com
- The Indian Subcontinent, the Middle East and Africa: email meisatechsupport@fedex.com
- Asia-Pacific: email fdxhelpdesk@fedex.com
- Brazil: email ct-brazil@corp.ds.fedex.com
- The rest of Latin America and the Caribbean: [click here](#) for your country's dedicated support phone number

FedEx Service Guide

Within this guide, you may be asked to refer to the *FedEx Service Guide* for details about FedEx services, packaging, and other information. To view or download the U.S. guide, go to fedex.com/us/service-guide and click the '**View the FedEx Service Guide PDF**' option in the gray box on the left.

FedEx Electronic Export Information Filing Options (United States only)

If you are a U.S. shipper and your U.S. export shipments require EEI filing (Electronic Export Information, formerly known as Shipper's Export Declaration, SED) go to <http://www.fedex.com/us/electronic-export-information/filing.html> for more information.

1 FedEx OnSite

Ability to choose FedEx OnSite Locations provides customers the convenience of package drop-off and pickup at locations that are not owned by FedEx with extended hours and secured package storage.

1.1 HAL Company Name Field

The new field for Hold At Location service is explained in the following table.

Table 1: HAL Company Name Field

Field ID	Field Name	Update	Affected Transaction
3155	HAL Company Name	New field	020/120 Global Shipping Transaction and 037/137 Email Label Transaction
	Description This field is used to indicate the Company Name at which the package is being held. This HAL Company Name will be printed on the shipping label if it was provided.		
	Type: A/N	Minimum Length: NA	Maximum Length: 35
	Multiple Occurrence: N	Input/Output: I	Carrier: FDXE, FDXG
	Valid Values (if applicable or NA): NA Default Value (if applicable or NA): None Optionality (Required, Optional, Conditional – state why or NA): Optional in 020/120 Global Shipping Transaction and 037/137 Email Label Transaction Shipment vs. Piece vs. Commodity Level: Shipment		

1.2 New Valid Value for Tag 3145

FedEx Ship Manager Server will modify existing tag 3145 (HAL Location Type) to support the new value: **S - FedEx Onsite**. The details for tag 3145 is explained in the following table

Table 2: HAL Location Type Field

Field ID	Field Name	Update	Affected Transactions
3145	HAL Location Type	Field updated with new valid value “S – FedEx Onsite”	020/120 Global Shipping Transaction and 037/137 Email Label Transaction
	Description This field indicates the type of location at which the package is held.		
	Type: A	Minimum Length: NA	Maximum Length: 1
	Multiple Occurrence: N	Input/Output: Both	Carrier: FDXE, FDXG
	Valid Values (if applicable or NA): <ul style="list-style-type: none"> • O – FedEx Office • E – FedEx Express • S – FedEx Onsite Default Value (if applicable or NA): NA Optionality (Required, Optional, Conditional – state why or NA): Optional Shipment vs. Piece vs. Commodity Level: Shipment		

1.3 Error Codes and Messages

Table 3: HAL Error Codes

Error Code	Error Messages
0890	The LOCID provided does not match the location type.
0891	Dangerous Goods are not allowed for this location type.
0892	Dry Ice is not allowed for this location type.
0893	COD is not allowed for this location type.
0894	The selected service is not supported at this location type.
0895	Weight entered exceeds the maximum per package amount allowed for this location type.
0896	Dimensions entered exceed the maximum per package amount allowed for this location type.
0897	The LOCID provided is not valid for the location type.

Error Code	Error Messages
0898	The HAL Location ID is required for this location type.
0899	HAL Company or Recipient Name is required for this location type
0900	HAL Address cannot be blank for this location type.
0901	HAL City cannot be blank for this location type.
0902	HAL state/province cannot be blank for this location type.
0903	HAL Postal Code cannot be blank for this location type
0904	Hold at Location country must match Recipient country.

2 Dry Ice

The existing functionality of shipping dry ice is changed from Shipment Level to Package Level (except for MAWB) to support international and Non-US domestic shipments as well.

FedEx Ship Manager Server supports the use of multi-occurrence for the Dry Ice Flag (1268) and Dry Ice Weight (1684) for all international and non us domestic, including print returns, Express multiple piece shipment.

Table 4: Dry Ice Flag and Dry Ice Weight Flag

Field ID	Field Name	Update	Affected Transaction
1268	Dry Ice Flag	Field updated with Multiple Occurrence as Y	020/120 Global Shipping Transaction and 037/137 Email Label Transaction
	Description Dry Ice Flag indicates whether the shipment contains dry ice.		
	Type: A	Minimum Length: NA	Maximum Length: 1
	Multiple Occurrence: Y	Input/Output: I	Carrier: FDXE, FDXG
	Valid Values (if applicable or NA): <ul style="list-style-type: none"> Y–Shipment contains dry ice N–Shipment does not contain dry ice Default Value (if applicable or NA): None Optionality (Required, Optional, Conditional – state why or NA): Required* if the shipment contains Dry Ice. Shipment vs. Piece vs. Commodity Level: Package		
Field ID	Field Name	Update	Affected Transaction
1684	Dry Ice Weight	Field updated with Multiple Occurrence as Y	020/120 Global Shipping Transaction and 037/137 Email Label Transaction
	Description <ul style="list-style-type: none"> Indicates the weight of the dry ice that needs to be shipped. Enter the dry ice weight in KGS. Two implied decimal places. 		
	Type: N	Minimum Length: NA	Maximum Length: 10.2

Field ID	Field Name	Update	Affected Transaction
	Multiple Occurrence: Y	Input/Output: I	Carrier: FDXE, FDXG
	Valid Values (if applicable or NA): NA Default Value (if applicable or NA): None Optionality (Required, Optional, Conditional – state why or NA): Required* If the tag 1268 is set to "Y". Shipment vs. Piece vs. Commodity Level: Package		

2.1 Error code and message

Table 5: Dry Ice Error Code

Error Code	Error Message
0854	Package dry ice weight cannot be greater than or equal to package weight.

3 Loose Dry Ice

FedEx Ship Manager Server allows you to use the loose dry ice as a coolant in an overpack. When Dangerous Goods (DG) shipments are surrounded with loose dry ice in an overpack, it is accurately reflected in the DG Shipper's Declaration.

Table 6: Loose Dry Ice Field

Field ID	Field Name	Update	Affected Transaction
7820	Loose Dry Ice	New field	020/120 Global Shipping Transaction
	Description <ul style="list-style-type: none"> Loose Dry Ice field indicates whether the Dangerous Goods overpack or all packed in one shipment contains loose dry ice. This field can be used with UN ID#1845 via express full IATA entry mode. 		
	Type: A	Minimum Length: NA	Maximum Length: 1
	Multiple Occurrence: Y	Input/Output: I/O	Carrier: FDXE
	Valid Values (if applicable or NA): <ul style="list-style-type: none"> Y - Contains loose dry ice N - Does not contain loose dry ice Default Value (if applicable or NA): None Optionality (Required, Optional, Conditional – state why or NA): Optional in the 020/120 Global Shipping Transaction. Shipment vs. Piece vs. Commodity Level: Commodity		

3.1 Shipping rules

- You can create a full IATA Express Dangerous Goods Overpack or All Packed in One shipment with UN ID#1845 and designate that the shipment contains loose dry ice via tag# 7820 (Loose Dry Ice Flag).
- You can create a full IATA Express Dangerous Goods Overpack or All Packed in One shipment that contains UN ID#1845 as Loose Dry Ice without a packaging type and UN ID 1845 as Dry Ice with a packaging type.
- You can create a full IATA Express Dangerous Goods Overpack or All Packed in One shipment that contains both UN ID#1845 as Loose Dry Ice via tag#7820 (Loose Dry Ice) set to "Y" and the special service option of Dry Ice via tag#1268 (Dry Ice Flag) set to "Y".

3.2 Impact on DG 1421C Report

- For an Express Dangerous Goods Overpack shipment that has indicated Loose Dry Ice via new tag#7820 and UN ID#1845 via Full IATA Entry mode, the packaging type will not be printed on the Shipper's Declaration.
- For a single Overpacked Express DG IATA shipment, the tracking number will not be printed to the right of the "Overpacked Used" verbiage on the DG Shipper's declaration.
- For an Overpacked or All Packed in One Express DG IATA shipment, the DG Shipper's Declaration will not be printed when the only UN ID present is 1845 and it has been identified as "Loose Dry Ice" via new tag#7820.
- The "Total" statement that contains the total DG weight calculation will not be printed on the DG Shipper's Declaration if there are only 2 commodities in an Overpack and one of the commodities have been identified as Loose Dry Ice via new tag#7820 and UN ID 1845.

3.3 Error codes and Messages

Table 7: Loose Dry Ice Error codes

Error Code	Error Messages
3179	The Dangerous Goods Packing Type is not required for UN ID 1845 when it has been identified as Loose Dry Ice via tag 7820. Please remove.
3180	The Dangerous Goods Loose Dry Ice Indicator is not supported for this shipment

4 Thermal Label Option

FedEx Ship Manager Server expands its support to include additional PDF 4x6 label print option as explained below.

4.1 PNG Labels

FedEx Ship Manager Server provides PNG (Portable Network Graphics) for FedEx Express and FedEx Ground labels by passing a new value of PNG (67L) in Field 187 (Label Format Value). This image is by default saved to the C:\FedEx\FedEx_Temp directory.

- 67L = 4"x6.75" PNG

4.2 PDF Labels

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

- PDF—Portable Document Format 4"x6 Label Image with Instructions, for 8 ½" x 11" stock
- 46P—4" x 6" PDF Label Image with white space, for 8 ½" x 11" stock
- 46T = 4"x6" PDF Label Image, for 4"x6" stock
- 67P = 4"x6.75" PDF Label Image, for 4"x6.75" stock
- 48P—4" x 8" PDF Label Image with white space, for 8 ½" x 11" stock
- 48T = 4"x8" PDF Label Image, for 4"x8" stock
- 49P—4" x 9" PDF Label Image with white space, for 8 ½" x 11" stock
- 49T = 4"x9" PDF Label Image, for 4"x9" stock
- 4QP—3.5" x 5" PDF

These images are saved in the C:\FedEx\FedEx_Temp directory (as the default location).

4.3 Label Format Value field updates

The Label Format Value/Printer Type Indicator Tag 187 value is updated to add the following Label Print Option:

- 46T = PDF 4"x6" Label Image, for 4x6 stock
- 67P = PDF 4"x6.75" Label Image, for 4x6.75 stock
- 67L = 4"x6.75" PNG
- 49T = PDF 4"x9" Label Image, for 4x9 stock
- 48T = PDF 4"x8" Label Image, for 4x8 stock

The verbiage of following current values for Tag 187 is updated as seen in table 8.

- PDF = PDF 4"x6" Label Image with Instructions, for 8 ½" x 11" stock
- 46P = PDF 4"x6" Label Image with white space, for 8 ½" x 11" stock

- 49P = PDF 4"x9" Label Image with white space, for 8 ½" x 11" stock
- 48P = PDF 4"x8" Label Image with white space, for 8 ½" x 11" stock

Table 8: Tag 187 with new valid values

Field ID	Field Name	Update	Affected Transaction																			
187	Label Format Value/Printer Type Indicator	Field updated with new valid values	020/120 Global Shipping Transaction																			
	Description <ul style="list-style-type: none">Label Format Value/Printer Type Indicator field allows you to enter the value that corresponds to the label format to print or label buffer to save. Each label format / printer type combination has a specific code.Required if Field 1282 specifies value T (Thermal label), F (Thermal label buffer to multiple files) or S (Thermal label buffer to single file).The label buffer string is returned in Field 188 (Label Buffer String).																					
	Type: A	Minimum Length: NA	Maximum Length: 3																			
	Multiple Occurrence: N	Input/Output: I	Carrier: FDXE, FDXG, FDXS																			
	Valid Values (if applicable or NA):																					
	<table><tr><td>199-Eltron LP2348/ LP2443 4 x 6 Doc Tab</td><td>188-Zebra DA402 4 x 6 Doc Tab</td></tr><tr><td>388-Zebra 4 x 8</td><td>488-Zebra 4 x 9</td></tr><tr><td>299-Eltron LP2348/ LP2443 4 x 6 Non Doc Tab</td><td>288-Zebra DA402 4 x 6 Non Doc Tab</td></tr><tr><td>399-Eltron/Zebra EPL 4 x 8</td><td>499-Eltron/Zebra EPL 4 x 9</td></tr><tr><td>PNG-Portable Network Graphics</td><td>46L-4 x 6 PNG</td></tr><tr><td>48L- 4x8 PNG</td><td>49L- 4x9 PNG</td></tr><tr><td>4QL-3.5x5 PNG</td><td>67L-4x6.75 PNG</td></tr><tr><td>CLS-Deferred Label</td><td>DIB-Laser Labels</td></tr><tr><td>46D- 4x6 DIB</td><td>48D- 4x8 DIB</td></tr><tr><td>49D- 4x9 DIB</td><td>4QD-3.5x5 DIB</td></tr></table>			199-Eltron LP2348/ LP2443 4 x 6 Doc Tab	188-Zebra DA402 4 x 6 Doc Tab	388-Zebra 4 x 8	488-Zebra 4 x 9	299-Eltron LP2348/ LP2443 4 x 6 Non Doc Tab	288-Zebra DA402 4 x 6 Non Doc Tab	399-Eltron/Zebra EPL 4 x 8	499-Eltron/Zebra EPL 4 x 9	PNG-Portable Network Graphics	46L-4 x 6 PNG	48L- 4x8 PNG	49L- 4x9 PNG	4QL-3.5x5 PNG	67L-4x6.75 PNG	CLS-Deferred Label	DIB-Laser Labels	46D- 4x6 DIB	48D- 4x8 DIB	49D- 4x9 DIB
199-Eltron LP2348/ LP2443 4 x 6 Doc Tab	188-Zebra DA402 4 x 6 Doc Tab																					
388-Zebra 4 x 8	488-Zebra 4 x 9																					
299-Eltron LP2348/ LP2443 4 x 6 Non Doc Tab	288-Zebra DA402 4 x 6 Non Doc Tab																					
399-Eltron/Zebra EPL 4 x 8	499-Eltron/Zebra EPL 4 x 9																					
PNG-Portable Network Graphics	46L-4 x 6 PNG																					
48L- 4x8 PNG	49L- 4x9 PNG																					
4QL-3.5x5 PNG	67L-4x6.75 PNG																					
CLS-Deferred Label	DIB-Laser Labels																					
46D- 4x6 DIB	48D- 4x8 DIB																					
49D- 4x9 DIB	4QD-3.5x5 DIB																					

Field ID	Field Name	Update	Affected Transaction
	PDF -4x6 PDF Label Image with Instructions for 8 ½ x 11 stock	46P - 4x6 PDF Label Image with white space for 8 ½ x 11 stock	
	46T - 4x6 PDF Label Image for 4x6 stock	48T -4x8 PDF Label Image for 4x8 stock	
	49T - 4x9 PDF Label Image for 4x9 stock	48P - 4x8 PDF Label Image with white space, for 8 ½ x 11 stock	
	49P - 4x9 PDF Label Image with white space for 8 ½x 11 stock	4QP -3.5x5 PDF	
	67P - 4x6.75 PDF Label Image for 4x6.75 stock		
Default Value (if applicable or NA): None Optionality (Required, Optional, Conditional – state why or NA): Required Shipment vs. Piece vs. Commodity Level: Shipment			

5 Rating and Surcharges

FedEx Ship Manager Server updates Tag 6110 - LTL Special Services to support the following changes:

- Tag length is increased to 20 positions
- Position 15 - Extreme Length (12 feet or greater in length) is updated.
- Position 20 - Over Length (8 feet to < 12 feet in length) is added.

Tag 6217 - LTL Surcharge Type is updated with Over Length value.

FedEx Ship Manager Server also updates Tag 1990 - Special Service Accessorial Name to support the following changes:

- Oversize/Extreme Length is changed to Extreme Length
- Over Length is added as a valid value

Table 9: Tags 6110, 6217 and 1990

Field ID	Field Name	Update	Affected Transaction													
6110	LTL Special Services	Field updated with new tag length and valid values	060/160 Freight Create BOL Request													
	Description <ul style="list-style-type: none">LTL Special Services field is a twenty-byte flag that indicates the specific FedEx special service requested.Use Y in the appropriate position to indicate which service you require. Specify N in all other positions.For example, NNNNNNYNNNNNNNNNNNNNN indicates a request for Residential Pickup service.															
	Type: A	Minimum Length: NA	Maximum Length: 20													
	Multiple Occurrence: N	Input/Output: I	Carrier: FDXE, FXFR													
	Valid Values (if applicable or NA): <table><tr><td>1 — Call Before Delivery</td><td>11 — Lift Gate Required</td></tr><tr><td>2 — Freezable Protection</td><td>12 — Residential Delivery</td></tr><tr><td>3 — Limited Access Pickup</td><td>13 — Do not break down pallet</td></tr><tr><td>4 — Limited Access Delivery</td><td>14 — Top Load Only</td></tr><tr><td>5 — Guaranteed Plus</td><td>15 — Extreme length</td></tr><tr><td>6 — Poison</td><td>16 — Liftgate at delivery</td></tr><tr><td>7 — Residential Pickup</td><td>17 — Liftgate at pickup</td></tr></table>			1 — Call Before Delivery	11 — Lift Gate Required	2 — Freezable Protection	12 — Residential Delivery	3 — Limited Access Pickup	13 — Do not break down pallet	4 — Limited Access Delivery	14 — Top Load Only	5 — Guaranteed Plus	15 — Extreme length	6 — Poison	16 — Liftgate at delivery	7 — Residential Pickup
1 — Call Before Delivery	11 — Lift Gate Required															
2 — Freezable Protection	12 — Residential Delivery															
3 — Limited Access Pickup	13 — Do not break down pallet															
4 — Limited Access Delivery	14 — Top Load Only															
5 — Guaranteed Plus	15 — Extreme length															
6 — Poison	16 — Liftgate at delivery															
7 — Residential Pickup	17 — Liftgate at pickup															

Field ID	Field Name	Update	Affected Transaction
	<div>8 — Food</div> <div>9 — Single Shipment</div> <div>10 — Do Not Stack Pallets</div>		<div>18 — Inside delivery</div> <div>19 — Inside pickup</div> <div>20 — Over Length</div>
	Default Value (if applicable or NA): None		
	Optionality (Required, Optional, Conditional – state why or NA): Required		
	Shipment vs. Piece vs. Commodity Level: Shipment		
Field ID	Field Name	Update	Affected Transaction
6217	LTL Surcharge Type	Field updated with new valid value	060/160 Freight Create BOL Request
	Description LTL Surcharge Type field indicates the LTL Surcharge Type.		
	Type: A/N	Minimum Length: 1	Maximum Length: 30
	Multiple Occurrence: Y	Input/Output: I	Carrier: FXFR
	Valid Values (if applicable or NA): <ul style="list-style-type: none">140 — Residential Delivery460 — Inside Pickup470 — Inside Delivery800 — Other805 — Residential Pickup810 — Chargeable Pallet Weight815 — Excess Value820 — Extreme Length825 — Freight Guarantee830 — LiftGate Delivery835 — LiftGate Pickup840 — Limited Access Delivery845 — Limited Access Pickup850 — Pre Delivery Notification855 — Protection From Freezing		

Field ID	Field Name	Update	Affected Transaction																										
	<ul style="list-style-type: none">860 — Over Length <p>Default Value (if applicable or NA): None</p> <p>Optionality (Required, Optional, Conditional – state why or NA): Required</p> <p>Shipment vs. Piece vs. Commodity Level: Shipment</p>																												
Field ID	Field Name	Update	Affected Transaction																										
1990	Special Service Accessorial Name	Field updated with new valid values	050/150 Service Types and Special Services Transaction																										
	Description Special Service Accessorial Name field specifies the returned FedEx special service and option names. It is sent in reply with a new value to indicate Electronic Trade Documents customer documentation is available when request contains Field 1989 set to value of 02.																												
	Type: A	Minimum Length: NA	Maximum Length: 30																										
	Multiple Occurrence: Y	Input/Output: O	Carrier: All																										
	Valid Values (if applicable or NA):																												
	<table><tr><th colspan="2">US Special Service Accessorial Name Values</th></tr><tr><td>Alcohol</td><td>Freight To Collect</td></tr><tr><td>Inside Pickup and Delivery</td><td>Hazardous Materials</td></tr><tr><td>FedEx Appointment Home Delivery</td><td>Liftgate at Delivery</td></tr><tr><td>FedEx Collect on Delivery (C.O.D.)</td><td>Liftgate at Pickup</td></tr><tr><td>FedEx Date Certain Home Delivery</td><td>Limited Access Delivery</td></tr><tr><td>FedEx Evening Home Delivery</td><td>Extreme Length</td></tr><tr><td>FedEx Ground C.O.D.</td><td>Pharmacy Delivery</td></tr><tr><td>FedEx Returns</td><td>Shipper's Export Declaration/Electronic Export Information (EEI)</td></tr><tr><td>Freight on Value Carrier Risk</td><td>Sunday Delivery</td></tr><tr><td>Freight on Value Own Risk</td><td>Over Length</td></tr><tr><th colspan="2">International Special Service Accessorial Name Values</th></tr><tr><td>Call Before Delivery</td><td>Future Day</td></tr></table>			US Special Service Accessorial Name Values		Alcohol	Freight To Collect	Inside Pickup and Delivery	Hazardous Materials	FedEx Appointment Home Delivery	Liftgate at Delivery	FedEx Collect on Delivery (C.O.D.)	Liftgate at Pickup	FedEx Date Certain Home Delivery	Limited Access Delivery	FedEx Evening Home Delivery	Extreme Length	FedEx Ground C.O.D.	Pharmacy Delivery	FedEx Returns	Shipper's Export Declaration/Electronic Export Information (EEI)	Freight on Value Carrier Risk	Sunday Delivery	Freight on Value Own Risk	Over Length	International Special Service Accessorial Name Values		Call Before Delivery	Future Day
	US Special Service Accessorial Name Values																												
Alcohol	Freight To Collect																												
Inside Pickup and Delivery	Hazardous Materials																												
FedEx Appointment Home Delivery	Liftgate at Delivery																												
FedEx Collect on Delivery (C.O.D.)	Liftgate at Pickup																												
FedEx Date Certain Home Delivery	Limited Access Delivery																												
FedEx Evening Home Delivery	Extreme Length																												
FedEx Ground C.O.D.	Pharmacy Delivery																												
FedEx Returns	Shipper's Export Declaration/Electronic Export Information (EEI)																												
Freight on Value Carrier Risk	Sunday Delivery																												
Freight on Value Own Risk	Over Length																												
International Special Service Accessorial Name Values																													
Call Before Delivery	Future Day																												

Field ID	Field Name	Update	Affected Transaction	
	Dangerous Goods (DG) Service	Hold at Location Service (HAL)		
	Do Not Stack Pallets	International Traffic in Arms Regulations (ITAR)		
	Do Not Break Down Pallet	Lithium Batteries/Cells		
	Dry Ice	Poison		
	Electronic Trade Documents (ETD)	Priority Alert		
	Exclude from Consolidation	Priority Alert Plus		
	FedEx InSight	Residential Delivery		
	FedEx International Broker Select (BSO)	Residential Pickup		
	FedEx International Controlled Export	Returns Clearance		
	FedEx ShipAlert (Email ID)	Saturday Service		
	FedEx Signature Home Delivery	Signature Release		
	Food	Special Delivery		
	Freezable Protection	Surcharges		
	Fully Regulated Dangerous Goods (FDG)	Top Load Only		
	Signature Service Options			
	0 — None Specified	3 — Direct Signature Required		
	1 — No Signature Required	4 — Adult Signature Required		
	2 — Indirect Signature Required			
	Default Value (if applicable or NA): None			
	Optionality (Required, Optional, Conditional – state why or NA): Optional			
Shipment vs. Piece vs. Commodity Level: Shipment				

5.1 Additional Rating and Surcharge updates

- **Additional Handling Surcharge (AHS) from 60" to 48" along its longest side**

Change the dimensional criteria for the FXE (US Domestic, US-PR and Trans-Border & US Export) Additional Handling Surcharge (AHS) from 60" to 48" along its longest side.

- **Oversize Surcharge from 108" to 96" along its longest side**

Change the dimensional criteria for the FXE (US Domestic, US-PR and Trans-Border) Oversize Surcharge from 108" to 96" along its longest side.

- **Oversize Surcharge of 96" along its longest side**

Add the dimensional criteria for the FXG (US&CA) Oversize Surcharge of 96" along its longest side.

- **90lb Minimum Billable Weight for Oversize packages**

Apply a 90lb Minimum Billable Weight for Oversize packages (FXE US Domestic, US-PR and Trans-Border & FXG) or unauthorized packages (FXG).

- **Dimensional weight rating logic for all SmartPost**

Introduce the dimensional weight rating logic for all SmartPost packages.

- **Dimensional criteria for the SmartPost non-machinable surcharge**

Change the dimensional criteria for the SmartPost non-machinable surcharge (NMO) from 34" to 27" along its longest side.

6 Mexico State Codes

All Mexico state codes are updated in FedEx Ship Manager Server and the updated list is as follows.

Table 10: Mexico State Codes

State	State Code
Aguascalientes	AG
Baja California	BC
Baja California Sur	BS
Campeche	CM
Chiapas	CS
Chihuahua	CH
Coahuila	CO
Colima	CL
Ciudad de México	DF
Durango	DG
Guanajuato	GT
Guerrero	GR
Hidalgo	HG
Jalisco	JA
Estado de México	EM
Michoacán	MI
Morelos	MO
Nayarit	NA
Nuevo León	NL
Oaxaca	OA
Puebla	PU
Querétaro	QE
Quintana Roo	QR
San Luis Potosí	SL
Sinaloa	SI
Sonora	SO

State	State Code
Tabasco	TB
Tamaulipas	TM
Tlaxcala	TL
Veracruz	VE
Yucatán	YU
Zacatecas	ZA

7 FedEx International Controlled Export

FedEx International Controlled Export (FICE) special service is only supported for exports originating from United States and Puerto Rico.

FICE is available for the following services:

- FedEx International Priority®
- FedEx International Priority® Freight
- FedEx International Priority DirectDistribution® (for foreign trade zone or bonded warehouse shipments only)

7.1 FICE Entry Number Field

The name of tag 1399 is changed to FICE Entry Number and the details are mentioned in the below table.

Field ID	Field Name	Update	Affected Transaction
1399	FICE Entry Number	Field name is changed to FICE Entry Number	020/120 Global Shipping Request/Reply
	Description FICE Entry Number field provides the FedEx International Controlled Export (FICE) Entry Number. This field is only required for shipment designated as an in-bond shipments moving under a transportation and exportation from a foreign trade zone or bonded warehouse.		
	Type: N	Minimum Length: NA	Maximum Length: 15
	Multiple Occurrence: N	Input/Output: Both	Carrier: FDXE (for US and Puerto Rico origins)
	Valid Values (if applicable or NA): NA Default Value (if applicable or NA): None Optionality (Required, Optional, Conditional – state why or NA): Required field when tag 1495 is a value of 114 & 115. Shipment vs. Piece vs. Commodity Level: Shipment		

7.2 New Fields added

The following table lists the fields including surcharge tags for FedEx International Controlled Export (FICE) service.

Table 11: FICE fields

Field ID	Field Name	Update	Affected Transaction
1494	FedEx International Controlled Export Flag	New Field	020/120 Global Shipping Request/Reply
	Description FedEx International Controlled Export Flag field enables you to select the FedEx International Controlled Export (FICE) service option for a shipment. The service is only available for Express International Priority, International Priority Freight and IPD shipment originating from US or Puerto Rico Export.		
	Type: A	Minimum Length: NA	Maximum Length: 1
	Multiple Occurrence: N	Input/Output: Both	Carrier: FDXE (for US and Puerto Rico origins)
	Valid Values (if applicable or NA): <ul style="list-style-type: none"> Y = Yes N = No Default Value (if applicable or NA): None Optionality (Required, Optional, Conditional – state why or NA): Optional in the 020/120 Global Shipping Transaction. If "Y" then additional fields are required Shipment vs. Piece vs. Commodity Level: Shipment		
Field ID	Field Name	Update	Affected Transaction
1495	FICE License Type Code	New Field	020/120 Global Shipping Request/Reply
	Description FICE License Type Code field designates FICE License type. Depending on the indicated license type, additional FICE fields will be required.		
	Type: N	Minimum Length: NA	Maximum Length: 3
	Multiple Occurrence: N	Input/Output: Both	Carrier: FDXE (for US and Puerto Rico origins)

Field ID	Field Name	Update	Affected Transaction
	<p>Valid Values (if applicable or NA):</p> <ul style="list-style-type: none"> • 101 = DSP-5 • 102 = DSP-61 • 103 = DSP-73 • 104 = DSP-85 • 105 = DSP-94 • 106 = License Agreement • 107 = DEA 36 • 108 = DEA 236 • 109 = DEA 486 • 114 = Warehouse Withdrawal for T&E • 115 = T & E from a Foreign Trade Zone <p><i>Note: Values 110 - 113 are reserved for future use and are not a supported License Type at this time.</i></p> <p>Default Value (if applicable or NA): None</p> <p>Optionality (Required, Optional, Conditional – state why or NA): Required if Tag 1494 is set to "Y" then additional FICE fields will be required.</p> <p>Shipment vs. Piece vs. Commodity Level: Shipment</p>		
Field ID	Field Name	Update	Affected Transaction
1496	FICE License Number	New Field	020/120 Global Shipping Request/Reply
	<p>Description</p> <p>FICE License Number field provides the FedEx International Controlled Export (FICE) License Number. This is required for goods moving under a U.S. State Department (DSP) license or U.S. Drug Enforcement (DEA) export permits.</p>		
	Type: Alpha Numeric	Minimum Length: NA	Maximum Length: 12
	Multiple Occurrence: N	Input/Output: Both	Carrier: FDXE (for US and Puerto Rico origins)

Field ID	Field Name	Update	Affected Transaction
	Valid Values (if applicable or NA): NA Default Value (if applicable or NA): None Optionality (Required, Optional, Conditional – state why or NA): Required field when tag 1495 is a value of 101 - 109. Shipment vs. Piece vs. Commodity Level: Shipment		
Field ID	Field Name	Update	Affected Transaction
1497	FICE License Expiration Date	New Field	020/120 Global Shipping Request/Reply
	Description <ul style="list-style-type: none"> FICE License Expiration Date field provides the FedEx International Controlled Export (FICE) License Expiration Date and must be greater than or equal to the current date but Less than 48 months (4 years) in the future. The format of this date is MMDDCCYY. This is required for goods moving under a U.S. State Department (DSP) license or U.S. Drug Enforcement (DEA) export permits. 		
	Type: N	Minimum Length: NA	Maximum Length: 8
	Multiple Occurrence: N	Input/Output: Both	Carrier: FDXE (for US and Puerto Rico origins)
	Valid Values (if applicable or NA): NA Default Value (if applicable or NA): None Optionality (Required, Optional, Conditional – state why or NA): Required field when tag 1495 is a value of 101 - 109. Shipment vs. Piece vs. Commodity Level: Shipment		
Field ID	Field Name	Update	Affected Transaction
1506	Foreign Trade Zone Code	New Field	020/120 Global Shipping Request/Reply
	Description <ul style="list-style-type: none"> Foreign Trade Zone Code field provides the Foreign Trade Zone Code. This field is only required for shipment designated as an in-bond shipments moving under a transportation and exportation from a foreign trade zone or bonded warehouse. 		

Field ID	Field Name	Update	Affected Transaction
	Type: Alpha Numeric	Minimum Length: NA	Maximum Length: 12
	Multiple Occurrence: N	Input/Output: Both	Carrier: FDXE (for US and Puerto Rico origins)
	Valid Values (if applicable or NA): NA Default Value (if applicable or NA): None Optionality (Required, Optional, Conditional – state why or NA): Required field when tag 1495 is a value of 114 & 115. Shipment vs. Piece vs. Commodity Level: Shipment		
Field ID	Field Name	Update	Affected Transaction
1527	FICE Surcharge	Field name is changed to FICE Entry Number	025/125 Rate Available Services Request/Reply
	Description FICE Surcharge field provides FedEx International Controlled Export (FICE) surcharge for shipment.		
	Type: N	Minimum Length: NA	Maximum Length: 18
	Multiple Occurrence: N	Input/Output: Output	Carrier: FDXE (for US and Puerto Rico origins)
	Valid Values (if applicable or NA): NA Default Value (if applicable or NA): NA Optionality (Required, Optional, Conditional – state why or NA): NA Shipment vs. Piece vs. Commodity Level: Shipment		
Field ID	Field Name	Update	Affected Transaction
1860	FICE List Surcharge	New Field	025/125 Rate Available Services Request/Reply
	Description FICE List Surcharge field is used to provide the FedEx International Controlled Export (FICE) list surcharge for shipment.		
	Type: N	Minimum Length: NA	Maximum Length: 18

Field ID	Field Name	Update	Affected Transaction
	Multiple Occurrence: N	Input/Output: Output	Carrier: FDXE (for US and Puerto Rico origins)
	Valid Values (if applicable or NA): NA Default Value (if applicable or NA): NA Optionality (Required, Optional, Conditional – state why or NA): NA Shipment vs. Piece vs. Commodity Level: Shipment		
Field ID	Field Name	Update	Affected Transaction
1640	FICE Alternate Surcharge	New Field	025/125 Rate Available Services Request/Reply
	Description FICE Alternate Surcharge field is used to provide the FedEx International Controlled Export (FICE) alternate surcharge for shipment.		
	Type: N	Minimum Length: NA	Maximum Length: 18
	Multiple Occurrence: N	Input/Output: Output	Carrier: FDXE (for US and Puerto Rico origins)
	Valid Values (if applicable or NA): NA Default Value (if applicable or NA): NA Optionality (Required, Optional, Conditional – state why or NA): NA Shipment vs. Piece vs. Commodity Level: Shipment		

7.3 Error Codes and Messages

Table 12: FICE Error Codes and Messages

Error Code	Error Messages
0907	A valid FICE License Type Code, tag 1495, is required
0909	A valid FICE License Number, tag 1496, is required.
0910	A valid FICE License Expiration Date, tag: 1497, is required. It must be a current or a future date that is less than or equal to 48 months (4 year). Required format: MMDDYYYY.
0911	A valid Foreign Trade Zone Code, tag 1506, is required.
0906	A valid FICE Entry Number, tag 1399, is required.
0908	The FICE License Type Code, tag 1495, cannot be modified for Service Selected.
0905	FICE is not an available special service for this shipment origin/destination.
2134	Special service(s) mismatch

7.4 Doc-Tab updates

FedEx Ship Manager Server adds 1527, 1860 and 1640 FICE fields to the Express Shipping Type "Values" drop down menu within the Configuration Utility Doc-Tab Settings tab.

Figure 1: FICE fields in Doc-Tab Settings

FedEx Configuration

Master Meter Number

Access Privileges

Developer Level

FedEx

Advanced Settings

IPD / IED / IDF Settings

Tracking Numbers

SmartPost Settings

Shipper Settings

Report Settings

Label Settings

Doc-Tab Settings

System Settings

Meter Settings

Shipping Type

Express

☒ Export Express

Ground

LTL Freight

Smartpost

Print TotalDocTabLabel

Doc Tab Orientation

Top

☒ Bottom

Label Stock Type

Leading Edge

☒ Trailing Edge

Copy To All Meters

Doc Tab Fields

Headings	Values	Reference
FICE Surcharge	FICE Surcharge	<input type="checkbox"/>
Alternate FICE	Alternate FICE Surcharge	<input type="checkbox"/>
List FICE Surch	List FICE Surcharge	<input type="checkbox"/>
	-- none --	<input type="checkbox"/>
	-- none --	<input type="checkbox"/>
	-- none --	<input type="checkbox"/>
	-- none --	<input type="checkbox"/>
	-- none --	<input type="checkbox"/>
	-- none --	<input type="checkbox"/>
	-- none --	<input type="checkbox"/>
	-- none --	<input type="checkbox"/>

Apply

Apply & Exit

Exit

Help

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8 Analytics

The Analytics feature allows FedEx Ship Manager Server to capture and log your data usage on any FSMS component or feature, including installation and environment details. FedEx Ship Manager Server supports a persistent entry that enables or disables the Analytics feature to capture and upload defined data.

- Enabled = Data shall be captured and uploaded
- Disabled = Data shall NOT be captured nor uploaded

If the Analytics checkbox is enabled in the Advanced Settings tab, FedEx Ship Manager Server will gather the following user information for a period of 24 hours, create a XML file with summary and upload it daily to the back-end systems.

- Meter specific analytic data at the meter level.
- System information
- Utility usage of Broadcast Configured Client, Backup & Restore, Custom Label Generator, and Configuration Utility Open and Applied
- Routing information
- Transaction usage information
- Automated close usage information
- International Reports/Document and EOD report generation information
- 020 transaction usage information
- Shiptime shipping profile usage information
- Special service transaction usage information
- Return transaction usage information
- SmartPost transaction usage information

The figure below shows the Analytics checkbox in Advanced Settings tab of the configuration utility.

Figure 2: Advanced Setting screen with Analytics checkbox

The screenshot displays the 'FedEx Configuration' window. At the top, there's a 'Master Meter Number' dropdown set to '12345678', an 'Access Privileges' button, and a 'Field Level' label. The FedEx logo is in the top right. Below this is a series of tabs: 'Shipper Settings', 'Report Settings', 'Label Settings', 'Doc-Tab Settings', 'System Settings', and 'Meter Settings'. The 'Advanced Settings' tab is selected and highlighted. Under this tab, there are sub-tabs: 'IPD / IED / IDF Settings', 'Tracking Numbers', and 'SmartPost Settings'. The main area contains various settings with spinners and checkboxes. On the right side, the 'Perform Datetime Sync' checkbox is checked, and the 'Analytics' checkbox is also checked. Other settings include 'Express & Ground Hourly Upload Interval (minutes)' at 60, 'Hourly Upload Retention Period (days)' at 14, 'Communication Check Interval (hours)' at 72, 'Communication Logging Retention Period (days)' at 3, 'Ground Hourly Upload Retention Period (days)' at 14, 'Tracking Logging Retention Period (days)' at 3, 'Ground Commercial Invoice Upload Retention Period (days)' at 14, 'Time Lapse To Force Upload (hours)' at 60, 'Label Buffer Retention (days)' at 3, and 'Transaction Log Retention Period (days)' at 5. There are also checkboxes for 'Transaction Capture' and 'Transaction DateTime', both of which are unchecked. A 'Transaction Buffer Setting' button is located below the 'Transaction Log Retention Period' spinner. At the bottom of the window are four buttons: 'Apply', 'Apply & Exit', 'Exit', and 'Help'.

FedEx Configuration

Master Meter Number : 12345678 Access Privileges Field Level FedEx®

Shipper Settings Report Settings Label Settings Doc-Tab Settings System Settings Meter Settings

Advanced Settings IPD / IED / IDF Settings Tracking Numbers SmartPost Settings

Express & Ground Hourly Upload Interval (minutes) 60

Hourly Upload Retention Period (days) 14 Perform Datetime Sync ☒

Communication Check Interval (hours) 72 ☒ Analytics

Communication Logging Retention Period (days) 3

Ground Hourly Upload Retention Period (days) 14

Tracking Logging Retention Period (days) 3

Ground Commercial Invoice Upload Retention Period (days) 14

Time Lapse To Force Upload (hours) 60

Label Buffer Retention (days) 3

Transaction Log Retention Period (days) 5 ☐ Transaction Capture

☐ Transaction DateTime

Transaction Buffer Setting

Apply Apply & Exit Exit Help

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