



FedEx Ship Manager® Server

FedEx®

Data Driven Solutions

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Disclaimer

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

Support

FedEx Ship Manager® Server installation is free. Contact FedEx Support Representative on call 1.800.463.3339 if you wish to expand your current FedEx Ship Manager® Server (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 7 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.

1 Overview

The Data Driven Solutions redefines the business processes required to design, validate, and deploy services, packaging types, and service options to its users.

The benefit of this is to customize data design and service rules without a requirement for version update. This lets customers adapt their shipping to service changes without needing to recode their solution.

The following section provides details to successfully implement a Data Design solution for your shipments.

2 Data Driven Solutions

The Data Driven Solutions lets you to utilize Authoritative Data Sources (ADS) available for your registered account. You can add or modify existing features as per the latest requirements to improve or upgrade your shipment process.

The Data Driven Solutions provides the following:

- Flexibility to implement the modifications of shipment features without hardcoding requirements.
- The transaction updates display can be modified as per the data requirements of a shipment based on availability of services and regions. The modifications can be done anytime.

2.1 Supported Services and Special Services

Use the service option codes to implement the required services without a code change. Following are the list of options supported dynamically.

To obtain the details of available Services/Special services, perform a 050/150 transaction to know the list of available Services/Special services for your account type.

*Note: Verify applicable services before proceeding with any shipment. Refer to **FedEx Ship Manager® Server Transaction Coding Reference Guide** for more info.*

Useful tags

Tags	Usage	Applicable transactions
Tag 5400	Use this tag to pass the multiple service codes along with service type tag	Applicable for all transactions
Tag 1274	Use this tag to pass one service type one Service at a time.	Applicable for all transactions
Tag 1989	Use this tag to get service option codes for required services	050 transaction

Refer to *FedEx Ship Manager® Server Transaction Coding and Reference Guide*, for more info.

Sample transactions

A sample set of transactions to start with Data Driven Solution is given below for D3 service.

Step 1: Services availability/Special Services

Sample transactions for 050/150: Lists available Services/Special services for specific account dynamically.

Request	Reply
050 for Spain 0,"050"1,"DE Intra"9,"28108"17,"08908"50,"ES"117,"ES"49 8,"1007XXXX9"1273,"01"1989,"01"99,""	150 for Spain 0,"150"1,"DE Intra"9,"28108"10,"607645930"17,"08908"50,"ES "117,"ES"498,"1007XXXX9"1274,"01"1274- 2,"D2" 1274-3,"D3" 1987,"FedEx Priority Overnight"1987-2,"FedEx Priority Express" 1987- 3,"FedEx Priority" 1988,"FedEx Priority Overnight"1988-2,"FedEx Priority Express" 1988- 3,"FedEx Priority" 1989,"01"1993,"D"1993- 2,"D"1993-3,"D"1997,"1"1997-2,"1"1997- 3,"1"7654,"1"7654-2,"1"7654- 3,"1"7655,"10:30"7655-2,"12:00"7655- 3,"17:00"99,""

Step 2: Perform a 020 transaction, Global Shipment transaction.

Sample transactions for 020/120: shipment transaction using D3 service.

Request	Reply
0,"020"1,"427949"4,"Barcode department"5,"100000 FedEx Gnd Drive fourth floor"6,"West Wing"7,"ALCOBANDAS"8,"ES"9,"28108"10,"60764 5930"11,"company name"12,"RedZoneStep017"13,"387MainStreet"1 4,"FEDEXPARKWAY"15,"Hositalet de Llobregat"16,"ES"17,"08908"18,"1234567890"20," 607645930"23,"1"26,"4250"32,"January 2017 Corp Load"50,"ES"57,"20"57-2,"10"57- 3,"10"58,"20"58-2,"10"58-3,"10"59,"244"59- 2,"244"59- 3,"244"75,"KGS"79,"BOOKS"80,"US"116,"3"117,"E S"119,"100"498,"1007XXXX9"1090,"EUR"1116,"C" 1274,"D3" 1670,"4500"1670-2,"3200"1670- 3,"3400"99,""	120 response for the same 0,"120"1,"427949"10,"607645930"29,"5112 32912802"29-2,"511232912813"29- 3,"511232912824"30,"FY BCNA "33,"AM"112,"1110"195,"BCN"198,"BCNA "498,"1007XXXX9"526-2,"0891"526- 3,"0891"557,"06"558,"2074"559,"URSA table is expired"560,"com.fedex.rate.RatingExcepti on: Invalid service.Invalid service code"650,"TRK#"650-2,"MPS#"650- 3,"MPS#"651,"0881"651-2,"0891"651- 3,"0891"652,"## MASTER ## "652-2,"Mstr# 5112 3291 2802"652-3,"Mstr# 5112 3291 2802"653,"FY BCNA "653-2,"FY BCNA "653- 3,"FY BCNA "655,"1 of 3"655-2,"2 of 3"655- 3,"3 of 3"656,"5112 3291 2802"656-2,"5112 3291 2813"656-3,"5112 3291 2824"657- 2,"0881"657-3,"0881"658,"AM"658- 2,"AM"658-3,"AM"659,"PRIORITY"659- 2,"PRIORITY"659- 3,"PRIORITY"661,"08908"661- 2,"08908"661-3,"08908"662," -ES"662-2," -

	ES"662-3," -ES"663,"BCN"663-2,"BCN"663-3,"BCN"664,"1495478061190937120400511232912802"664-2,"1495755261190937120400511232912813"664-3,"1495755261190937120400511232912824"665,"585C2/4CEC/D078"665-2,"585C2/4CEC/D078"665-3,"585C2/4CEC/D078"671,"2"671-2,"2"671-3,"2"673,"2"1084,"MADA"1086,"5"1123,"511232912802"1124,"0881"1125,"200"1136,"FY" 1274,"D3" 2399,"0"7651,"PRIORITY"7653,"Your Pkg"7654,"1"7655,"17:00"99,""
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Step 3: Perform 037 transaction

Sample Transactions for 037/137: (Returns rate and routing info for the shipment, along with surcharge details and tracking number)

Request	Reply
037 for Spain with Service type 'D3' 0,"037"1,"Step 00013-01"4,"Shipper Company Name"5,"Shipper Address Line 1"6,"Shipper Address Line 2"7,"Shipper City"8,"ES"9,"28108"11,"Recipient Name"12,"FXRS Bangalore"13,"Recipient Address Line1"14,"Recipient Address Line2"15,"Recipient City"16,"ES"17,"08908"18,"9012548258"23,"1"25,"Step 00013-01"32,"RETURN SENDER"50,"ES"74,"ES"75,"LBS"76,"1"79,"BOOKS"80,"ES"117,"ES"183,"9012345678"187,"PNG"498,"1007XXXX9"1090,"EUR"1103,"9012345555"1139,"123456789"1273,"01" 1274,"D3" 1341,"9012345555"1398,"THIS ITEM IS USED FOR TESTING ONLY"1670,"14400"2210,"12345678901234567890"2387,"20230820"2388,"This is for testing RAE Online label from FXRS-Offshore"2389,"901254525898525"2392,"abc@xyz.com"99,""	137 for Spain with Service type 'D3' 0,"137"1,"Step 00013-01"10,"607645930" 29,"511232912835" 30,"FY BCNA "33,"AM"112,"144"195,"BCN"198,"BCNA"498,"1007XXXX9"557,"02"557-2,"06"558,"5096"558-2,"2074"559,"The suggested documents value is not valid."559-2,"URSA table is expired"650,"TRK#"651,"0881"653,"FY BCNA"656,"5112 3291 2835"658,"AM"659,"PRIORITY"661,"08908"662," - ES"663,"BCN"664,"1495478061190937120400511232912835"665,"585C2/4CEC/D078"671,"2"1084,"MADA"1123,"511232912835"1124,"0881"1136,"FY"1139,"123456789" 1274,"D3" 2399,"0"7651,"PRIORITY"7653,"Your Pkg"7654,"1"7655,"17:00"99,""

3 New Features

This section mentions the customer facing feature updates and benefits.

Note: The following features are initial implementation, more features will be communicated in upcoming releases.

3.1 FedEx One Rate

FedEx Ship Manager® Server supports FedEx® One Rate, A cost effective quality service for Domestic shipments.

3.1.1 Benefits

FedEx One Rate offers the following benefits:

- Provides a fixed flat price for Domestic shipping irrespective of package size, and weight.
- Reduces shipping and package cost predictably.
- Easy to implement using Data Driven Design.

Applicable regions: US and Canada

3.2 FedEx Ground® Economy

FedEx Ground® Economy is a contract-only service that helps to consolidate low weight packages and deliver to residences. These packages also consume less time-and are sensitive business-to-consumer packages.

3.2.1 Benefits

FedEx Ground® Economy is formerly known as FedEx SmartPost® continues to provide the same benefits in addition to **2-in-1 Labels**, designed with customer reference ID and additional tracking numbers to ensure smooth service for package identification.

Applicable regions: US

3.3 HCID and M&I

Health Care Identifier(HCID) provides specialized shipment service for health care items along with the Monitoring and Intervention(M&I) service option help to proactively monitor health care shipments, to mitigate risk, and provide intervention support to protect shipments from caging and other delays.

The healthcare Identifier special service option helps to improve the visibility and facilitate prioritization in network.

3.3.1 Benefits

- HCID and M&I special services help meet specific shipping needs such as time-sensitive and critical health care shipments.
- Integration with M&I provides close monitoring of HCID shipments to allow you to track your package in real time, enabling smooth transition and custom clearance.
- The special services HCID and M&I are applicable in shipment level. This provides you the flexibility to choose multiple service code options enables easy MPS (multiple piece shipment) shipments.

Note: Contact your FedEx Account Executive for more information.

4 Appendix

4.1 Functionalities and Initiative control flags

The below table lists the initiative controls applicable for each FSMS functionality along with its dependent policies.

Note: All the functionalities are available in latest FSMS version based on regions and account type.

Functionality	Description
Service Availability	Determine the available services applicable for a shipment.
Special Services Availability	Determine the available special services applicable for a shipment.
Min/Max Package Weight Validation, Dimensions (L, W, H, L+G) required Currency for Declared Value (Fetches the currency details from the policy) for International, Intra country and Express Freight Shipments	Validation of Weight, dimension, Currency and Declared value limits.
Booking Number	
Validate Clearance Facility and IOR (For MAWB and CRNs)	Validates the clearance facility and importer of record.
Service Type Substitution/Conversion (FedEx International Economy (03) - > 04 FedEx 2Day Freight (80) -> 86 Vice versa)	
Packaging Availability	Validates the service and packaging types required for the shipment.
Max package count for a shipment	
MPS	
MPS	
Packaging Conversion Rules	
Service Option Conversion Rules	Validates the special service required for the shipment.
Integration Mode	

Functionality	Description
Base Currency	Specifies the base currencies for the shipment.
Port Of Determination	Validates the port of export applicable for the shipment.
Service Suppression	Validates the service information that are not available and can be suppressed.
Conversion Rules	Validates the package conversion rules.
Custom Value check	Specifies if the customs value can be zero or not for a doc/non-doc shipment.

4.2 Terminologies Used

Term	Description
Authoritative Data Channel	Authorized data channels are the common standard approved solutions and processes used to consistently integrate mastered data into business processes throughout the enterprise at the core and edge.
Authoritative Data Source (ADS)	Master source of data
Brand Name	Marketing and Legal approved name for a service. For example, FedEx® Nacional Económico for FedEx Economy in Intra-Mexico.
CSP	Compatible Solution Provider – a company that provides a third party solution for doing business with FedEx. For additional info, reference http://www.fedex.com/us/compatible/
Geographic Coverage	The type of origin-destination pairing that is served by city, country, region, or other geographic profile.
Legal Names	Service names approved by legal
O/D	Origin/Destination
Privilege Management	The authoritative data source for enablement / privilege definition and configuration.
Product	A set of service and service options.
Product Brand Master	The authoritative data source for product branded names. For example, FedEx® Nacional Económico for FedEx Economy in Intra-Mexico.
Service Option	Additional option(s) coupled with a transportation service. e.g., COD, Appointment Delivery