

*Latte or Express-o: Interface SAP® Shipping with Express Delivery Services*

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*Latte or Express-o: Interface SAP® Shipping with Express Delivery Services*

If your company does a considerable amount of shipping via third-party parcel delivery services (like UPS or Fed Ex), then you'll appreciate this tip from Jocelyn Hayes. By working with your preferred shipper, you can interface SAP with their systems to automate and streamline many of the manual processes involved with this often tedious job. Let Jocelyn walk you through the steps of getting connected with your shipper—the effort spent will be more than balanced by the time and mor

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**Partner profiles: Outbound parameters**

Partner no.  Federal Express  
 Partn.Type  Vendor  
 Partn.funct.  Forwarding agent

Message Type  Delivery: Dispatch order  
 Message code   
 Message function   Test

Outbound Options | Message Control | Post Processing: Permitted Agent | Telephony

Receiver port  Transactional RFC Fedex Port  
 Pack. Size

Output Mode  
 Transfer IDoc immed. Output Mode 2  
 Collect IDocs

IDoc Type  
 Basic type  Delivery interface  
 Extension   
 View   
 Syntax check  
 Seg. release in IDoc type

Figure 8: Partner Profile: Outbound Parameters

Outbound Options | Message Control | Post Processing: Permitted Agent | Telephony

Application:   
 Output type:   
 Process code:

Application	Message type	Process code	Change ...
V2	SHOR	DELV	<input type="checkbox"/>

Figure 9: Partner Profile: Message Control

service code. The other options were Shipping Conditions (our selection), Delivery Priority, and Route. In our SAP environment, Shipping Conditions comes from the Customer master, is passed to the sales order, then to the delivery. SAP has prevented its customers from changing the Shipping Conditions value on the delivery note, but we found many cases in which our Shipping

Department needed to change the shipping condition to designate a different service level (like upgrading to overnight priority from standard overnight).

For this step, you will need to work with your express delivery company to determine the best field to use for your company.

### Step 10: Express Delivery Company Cockpit Setup

This step creates links from many of the previous steps into one transaction.

Go to transaction VTRC. Click “Create Express delivery company” and enter the information shown in Figure 10.

Once you have entered all the information on the Express Delivery Company Control tab, move to the Data Provider tab, where you will enter the target URL for your Business Connector (or chosen middleware). To check the connection, click on the “Non-SAP system” button and click the “Load all master data” button. This action causes the Cockpit to receive metadata from the express delivery company. If you navigate to the Metadata tab, you will see the populated metadata table.

Click Save.

The next step in the VTRC transaction is to assign a service agent to the carrier; this links the vendor master created in Step 2 to the express delivery company. Click on the “Exp. Div Cmpny control” tab and click on “Assign service agent”. A couple examples have been provided in Figure 11 to display how to complete the table.

Your express delivery company will provide you with additional metadata information that you may need to complete this configuration.

**Express Delivery Company (XSI) Cockpit - Change**

Exp. deliv. company: FDX      Federal Express

Account w/ ExpDivCo.: 267956642      RFC destination: FDXB2B

Exp. div. cmpny control | Data provider | Metadata | Number range | URL | Service codes | ProductCodes

Active      Shipping point: 4 Active, 0 Inactive

**Tracking**

Set tracking status manually

Tracking data available in days: 200

**Browser**

Max. no. parcels - multi-trck: 25

**XML tracking**

Track RFC destination: FDXB2B

Max. quantity of tracking obj.: 25

Timeouttracking object: 100

Tracking requests anticipated

Save tracking item

**Data determination**

Parallel processing

RFC dest. transaction data: [ ]

**Print**

Standard label form: [ ]

Standard label text: [ ]

Assign service agent | Set up meta data | Master data | Activate all shipping points

Figure 10: Express Delivery Company Control

**Change View "Carrier -> Express Delivery Company": Overview**

New Entries

SvcAgent	ExpID	Name 1	ExpDivCo.
DHL		DHL	DHL
DHL	X	DHL	DHL
FDX		Federal Express	FDX
FDX	X	Federal Express	FDX

Figure 11: Create Carrier

The final step is to Assign the Service Codes. In Step 9, I explained that you will have multiple options for which SAP Delivery note fields are used to designate the Service Codes. In this example, we use Shipping Condition. In the VTRC transaction, click on the Service Codes tab, click on “Srvc. Codes determination” and select the chosen folder under the Dialog Structure on the left.