Infor CloudSuite Distribution Administration Guide for Shipping Interface (Cloud)

Release 2023.x

Contents

About this guide

This document provides information and instructions about the shipping interface in Distribution SX.e, when deployed as part of the CloudSuite Distribution suite of products. It also provides detailed information about the REST-based API calls that are required for accurate data exchange between Distribution SX.e and your third-party shipping application.

Intended audience

This guide is intended for the system administrator or consultant who will configure the integration between the shipping interface and Distribution SX.e.

Related documents

You can find these documents at docs.infor.com or in the product documentation section of the Infor Support Portal, as described in *Contacting Infor*.

- *Infor CloudSuite Distribution Configuration Guide*
- *Infor Distribution SX.e Setup and Administration Guide for Total Warehouse Logistics*

Contacting Infor

If you have questions about Infor products, go to Infor Concierge at https://concierge.infor.com/ and create a support incident.

For the latest documentation, go to Documentation Central at docs.infor.com. We recommend that you check this website periodically for updated documentation. If you have comments about Infor documentation, contact documentation@infor.com.

Chapter 1: Overview

The shipping interface enables communications between these applications:

- Distribution SX.e, which is deployed as part of the CloudSuite Distribution suite of products
- Third-party shipping applications such as Logicor

The integration supports these types of shipments:

- Total Warehouse Logistics (TWL) shipments
- Distribution SX.e shipments that do not pertain to TWL

Distribution SX.e and the shipping application use REST-based API calls to exchange information through the shipping interface. This guide contains instructions to set up this method of communication.

Chapter 2: Configuring API Gateway communications

The SX REST API service is REST-based web service that provides access to REST-based API calls. Infor API Gateway is a component of Infor OS Portal or Infor Ming.le. Infor API Gateway brokers requests from API providers, consumes the SX REST API service, and permits secure access to Distribution SX.e business logic.

All shipping interface logic is mapped to a URL that is comprised of the SX.API server-API Gateway server, the SX REST API service, and the sxapishippinginterface call. For example, `http://<sxapiserver-apigatewayserver>/rest/sxapirestservice/sxapishippinginterface`.

The SX REST API service supports real-time requests and responses. When the shipping application makes a call to request information, Distribution SX.e generates a response that includes the information requested or an error message.

To use REST-based API calls for third-party shipping, the SX REST API service endpoint must be set up in API Gateway. For an additional layer of security, the SX REST API service endpoint can be set up in Distribution SX.e. You must also set up a back end service in API Gateway.

The service endpoints might be set up for you as part of tenant provisioning in the cloud. Discuss this with your Infor Consulting Services representative before your company is provisioned in the cloud.

If the service endpoints are not set up, see the *Infor CloudSuite Distribution Configuration Guide*.

Creating a backend service

To enable connectivity for a shipping interface, such as Logicor, you must create a backend service in API Gateway.

1   Obtain the endpoint for your SX REST services.
   a   In API Gateway, click **Available APIs**.
   b   Click **Infor Distribution SX.e**.
   c   On the **Endpoints** tab, click **Details** for the SX API REST Service.
       This service includes the `/sxapishippinginterface`.
   d   Copy or note the URL value in the **Endpoint** field.

2   Create a backend service for the shipping interface connection.
   a   In API Gateway, select **Authorized Apps**.
   b   Click **Add New App**.
   c   Specify this information:

Name
Specify a name for the application. Do not use spaces. For example, `LogicorBackendService`.

Type
Select `Backend Service`.

Description
Specify a description, such as `Logicor Backend Service`.

3 Click **Save**.

4 Select the service that you created from the list of Authorized Apps.

5 Click **Download Credentials**.

6 Click **Create Service Account**.

7 Specify the name of the user who will manage the service account.

   The user must have access to API Gateway in Infor OS Portal or Infor Ming.le user security.

8 Specify a description.

9 Click **Download**.

   The credentials are downloaded to a comma-separated values (CSV) file.

10 Save this file to a system folder until you are ready to set up the application connectors in the shipping interface.

Adding an application in Infor OS Portal or Infor Ming.le

Perform these steps to add the shipping interface application, such as Logicor, to Infor OS Portal or Infor Ming.le. Users can then select the shipping application from the Infor OS Portal or Infor Ming.le main menu.

1 In Infor OS Portal or Infor Ming.le, select **User Menu > Admin Settings**.

2 In **Manage Applications**, click **Add Application**.

3 Specify this information:

   Application Type
   Select `Non-Infor Application`.

   Application Name
   Specify the shipping interface application, such as Logicor shipping.

   Application URL
   Specify the URL that was provided by your third-party shipping interface company. For example, Logicor would provide this URL.

   Application Icon
   Click **Choose Icon**. Each application has a default icon. Select a color to apply to the icon, and then click **Done**.

Application Help URL
If your third-party shipping interface company has a Help URL, specify that URL.

Navigation Method
Select `Same Screen`.

4   Click **Save**.

    This message is displayed: `This application has been successfully added and can be configured on the next screen.`

5   Click **OK**.

6   In the Application Details section, specify this information:

    Display Name
    Specify the name to be displayed under the shipping interface icon. For example, Logicor shipping.

    Change Icon
    Optionally, change the icon that you selected in a previous step.

7   Click **Save**.

8   In the **Permissions** tab, click **Add New User and/or IFS Security Roles**.

9   Search for these values, and then select them:
    - Infor-SystemAdministrator
    - MingleAdministrator

10 Click **Done**.

11 Click **Save**, and then **OK**.

    Optionally, you can configure Context/Utility Apps and Logical ID Fallback. See the Infor OS Portal Cloud Edition online help.

Warehouse transfers shipment option

Third-party shipping applications typically require manual shipment of warehouse transfers. If you use the Distribution SX.e, non-TWL shipping method, you can select `Auto Ship WT When Using External Shipping Integration` in **SA Administrator Options-Documents-Transfer Orders-Processing** to override this default. If this option is selected, several checks are performed to ensure that the warehouse transfer is ready to ship. These checks include serial and lot number assignment and ship quantity availability.

If the transfer is ready for shipment, then these events occur:

1   A single general ledger journal is opened for **Warehouse Shipping Transfer Entry**.
2   All lines with a ship quantity are processed.
3   Back orders are processed.

    After a warehouse transfer is shipped, you cannot unship it.

Chapter 3: Shipping methods

REST-based API calls support both Distribution SX.e and Total Warehouse Logistics (TWL) shipping methods.

Distribution SX.e shipping method

The Distribution SX.e shipping method ships packages for these order types:

- Sales orders
- Warehouse transfers
- Shipping requests

An order can have more than one package, but multiple orders cannot be contained in a single package. The operator must know when the last package for an order is shipped so the appropriate call can be made to update the order in Distribution SX.e. After an order is shipped, the order is updated with shipping information and the stage of the order is changed to `Shipped`.

If you use the Distribution SX.e shipping method, these methods can be used to calculate a COD order:

- The COD tag is calculated with the shipping call and placed on the last package
- The COD totals are split and the GetTotal call shows the COD total for the last package. This method tracks COD totals for previous packages to avoid rounding errors.

REST-based API calls for Distribution SX.e

When a third-party shipping application requests an order number, Distribution SX.e responds with all data that is required for shipment at the header, container, and addon level. All updates to Distribution SX.e are obtained from a request from the shipping application. All validation, including error checking, is performed for all available data when a request is made.

This table shows the calls used for the Distribution SX.e shipping method:

Call	Description
Validate	Validates the company, operator, and printer entities.
GetOrder	Gets detailed information about a sales order.

Call	Description
GetTransfer	Gets detailed information about a warehouse transfer.
GetShippingRequest	Gets detailed information about a shipping request.
GetTotal	Gets the order total for a sales order when a value that affects the order total, such as freight, is changed. The call gets freight, addons, extra billing, and COD charge amounts.
ShipPackage	Creates OEEHP package records for a sales order, warehouse transfer, or shipping request. If a single order is comprised of multiple packages, it is used after a successful Get call. This call does not create the OEEHP package record for the final package or ship an order.
ShipOrder	Creates the final OEEHP package record for a sales order, warehouse transfer, or shipping request, and ships the order.
UnshipPackage	Unships the OEEHP package record and unships the sales order, warehouse transfer, or shipping request.

See

TWL shipping method

The TWL shipping method ships cartons and pallets for these order types:

- Sales orders
- Warehouse transfers
- Value add orders
- Shipping requests

An order can be shipped in multiple cartons or pallets, or multiple orders can be shipped in a single carton or pallet.

Shipping containers are set up in TWL before shipping. Distribution SX.e and TWL determine when to update an order with shipping information. The stage of an order is not set to shipped until the last package is shipped.

Note: If you use a third-party shipping application, you must set up your TWL carriers as host carriers.

See the *Infor Distribution SX.e Setup and Administration Guide for Total Warehouse Logistics*.

REST-based API calls for TWL

When third-party shipping application requests container information, Distribution SX.e responds with all data that is required for shipment. All updates to Distribution SX.e are obtained from a request from the

shipping application. All validation, including error checking, is performed for all available data when a request is made.

This table shows the calls that are used for the TWL shipping method:

Call	Description
Validate	Validates the company, warehouse, operator, and printer entities.
GetContainer	Gets detailed information about cartons or pallets. The shipping interface client uses this information to determine the freight rate.
GetTaxes	Calculates taxes on freight for the final COD container.
ShipContainer	Updates orders, based on container and shipment information.
GetCarrierList	Get a list of carriers that have containers ready for shipment.
ShipVerifyCarrier	Ships all containers for a specific carrier that meets these criteria: • The container is in the Final stage. • The order is in Stage 3-Shipped or less. This call also updates transactions and records, and generates a report that lists the shipping changes.
UnshipContainer	Unships a carton or pallet. Typically, this call is used when a container is repackaged because the original container or label was damaged.
GetShippingRequestByPackage	Gets detailed information about shipping requests that are submitted in **Sales Shipping Request Entry**. These requests are not associated with an order. This call uses the package ID number for the Package Number value.
GetShippingRequestByRequest	Gets detailed information about shipping requests that are submitted in **Sales Shipping Request Entry**. These requests are not associated with an order. This call uses the shipping request number for the Package Number value.
ShipShippingRequest	Creates a package record in **Sales Shipping Request Entry** package record and marks it as shipped.

See

Appendix A: REST-based API calls for Distribution SX.e

This section provides details about the API calls that are used for the Distribution SX.e shipping method, including input and output values. The request and response examples show the JSON format in which values must be exchanged. Replace the sample data with your own values as appropriate.

The shipping application can add up to five custom data values to the API calls. Distribution SX.e must be customized to process the custom values. In standard Distribution SX.e, the custom fields are not used.

Validate

This call validates the company, operator, and printer entities.

Input values

This table shows the values that are included in the request:

Value	Description
Company	Company number
Operator	Operator initials
PrinterName	Printer name from a **SA Printer Setup** record

Request example

```
{
 "request": {
  "companyNumber": 1000,
  "operatorInit": "sys",
  "operatorPassword": "sys",
```

```
 "integrationType": "SX",
 "callToExecute": "Validate",
 "tInShipintegration": {
"t-in-shipintegration": [
 {
"FieldName": "Company",
"FieldValue": "94"
 },
 {
"FieldName": "Operator",
"FieldValue": "blw"
 },
 {
"FieldName": "PrinterName",
"FieldValue": "4esicp"
 }
]
 },
 "tInfieldvalue": {
"t-infieldvalue": []
 }
}
}
```

Output values

This table shows the values that can be returned in the response:

Value	Description
Company	Company number
cErrorMessage	Error message from the shipping application
WarningMessage	Warning message from the shipping application

Response example

```
{
  "response": {
 "cErrorMessage": "",
 "tOutShipintegration": {
  "t-out-shipintegration": [
  {
  "level": "",
  "seqno": 1,
  "fieldname": "Company",
  "fieldvalue": "94"
 },
 {
  "level": "",
  "seqno": 2,
  "fieldname": "WarningMesssage",
  "fieldvalue": ""
 }
  ]
 },
 "tOutfieldvalue": {
  "t-outfieldvalue": []
 }
  }
 }
```

GetOrder

This call gets detailed information about a sales order.

Input values

This table shows the values that are included in the request:

Value	Description
Company	Company number
Operator	Operator initials
OrderNumber	Order number
OrderSuffix	Order number suffix

Request example

```json
{
 "request": {
  "companyNumber": 1000,
  "operatorInit": "sys",
  "operatorPassword": "sys",
  "integrationType": "SX",
  "callToExecute": "GetOrder",
  "tInShipintegration": {
 "t-in-shipintegration": [
  {
 "FieldName": "Company",
 "FieldValue": "94"
  },
  {
 "FieldName": "Operator",
 "FieldValue": "blw"
  },
  {
 "FieldName": "OrderNumber",
 "FieldValue": "5500"
  },
  {
 "FieldName": "OrderSuffix",
 "FieldValue": "00"
  }
 ]
  },
```

```
  "tInfieldvalue": {
"t-infieldvalue": []
 }
}Order
 }
```

Output values

This table shows the values that can be returned in the response:

Value	Description
Company	Company number
OrderNumber	Order number
OrderSuffix	Order number suffix
OrderType	0 to indicate a sales order
AddonOrder	Flat rate per order from **Customer Billing Setup**
AddonPackage	Flat rate per package from **Customer Billing Setup**
AddonPercent	Percent of total freight from **Customer Billing Setup**
DoNotShipFlag	Yes or no value that indicates if the order can be shipped
BillingAccount	Billing account number
BillingName	Billing name
BillingAddress1	First line of the billing address
BillingAdddress2	Second line of the billing address
BillingAddress3	Third line of the billing address
BillingCity	City of the billing address
BillingState	State of the billing address
BillingZipCode	Zip code of the billing address
BillingCountry	Country of the billing address
Carrier	Carrier name
CarrierDescription	Carrier description
CODAmount	COD amount before re-totalling

Value	Description
CODAdditionalAmount	Extra COD amount from **Customer Cash on Delivery Addon Setup**
CODCashFlag	Customer COD cash flag
CODFlag	Yes or no value that indicates if COD is required
Customer	Customer number
DeclaredCost	Declared cost
DeclaredRetail	Declared value
Email	Ship to or customer email address
FreightFlag	Yes or no value that indicates if freight should be charged, based on the **Update Freight Changes** option in Distribution SX.e
FreightTermsCode	Freight terms code
Hazardous	Yes or no value that indicates if the shipment contains hazardous material
InUseBy	If sales order is being updated, the operator initials of the operator
NumberOfLines	Number of lines on sales order
PhoneNumber	Ship to or customer phone number
PreviousPackage	Number of packages previously shipped for the order
PurchaseOrderNumber	PO # from order
ShippingInstructions	Shipping instructions
ShippingInstructionsExtended	Additional shipping instructions
Shipto1	Ship to name
Shipto2	First line of the ship to address
Shipto3	Second line of the ship to address
Shipto4	City and state or province
Shipto5	Third line of the ship to address
ShiptoZipCode	Ship to zip code
StageCode	Stage code of the sales order
TransactionType	Transaction type of the order
Warehouse	Warehouse in which the order was placed
WarningMesssage	Error message from the shipping application

Value	Description
cErrorMessage	Warning message from the shipping application

Response example

```
{
  "response": {
 "cErrorMessage": "",
 "tOutShipintegration": {
  "t-out-shipintegration": [
 {
  "level": "",
  "seqno": 1,
  "fieldname": "Company",
  "fieldvalue": "94"
 },
 {
  "level": "",
  "seqno": 2,
  "fieldname": "OrderNumber",
  "fieldvalue": "5500"
 },
 {
  "level": "",
  "seqno": 3,
  "fieldname": "OrderSuffix",
  "fieldvalue": "0"
 },
 {
  "level": "",
  "seqno": 4,
  "fieldname": "OrderType",
  "fieldvalue": "o"
 },
 {
```

```
 "level": "",
 "seqno": 5,
 "fieldname": "AddonOrder",
 "fieldvalue": "0"
},
{
 "level": "",
 "seqno": 6,
 "fieldname": "AddonPackage",
 "fieldvalue": "10"
},
{
 "level": "",
 "seqno": 7,
 "fieldname": "DoNotShipFlag",
 "fieldvalue": "no"
},
{
 "level": "",
 "seqno": 8,
 "fieldname": "BillingAccount",
 "fieldvalue": ""
},
{
 "level": "",
 "seqno": 9,
 "fieldname": "BillingName",
 "fieldvalue": ""
},
{
 "level": "",
 "seqno": 10,
 "fieldname": "BillingAddress1",
 "fieldvalue": ""
},
{
 "level": "",
```

```
 "seqno": 11,
 "fieldname": "BillingAdddress2",
 "fieldvalue": ""
},
{
 "level": "",
 "seqno": 12,
 "fieldname": "BillingAddress3",
 "fieldvalue": ""
},
{
 "level": "",
 "seqno": 13,
 "fieldname": "BillingCity",
 "fieldvalue": ""
},
{
 "level": "",
 "seqno": 14,
 "fieldname": "BillingState",
 "fieldvalue": ""
},
{
 "level": "",
 "seqno": 15,
 "fieldname": "BillingZipCode",
 "fieldvalue": ""
},
{
 "level": "",
 "seqno": 16,
 "fieldname": "BillingCountry",
 "fieldvalue": ""
},
{
 "level": "",
 "seqno": 17,
```

```
 "fieldname": "Carrier",
 "fieldvalue": "ups"
},
{
 "level": "",
 "seqno": 18,
 "fieldname": "CarrierDescription",
 "fieldvalue": "ups"
},
{
 "level": "",
 "seqno": 19,
 "fieldname": "CODAmount",
 "fieldvalue": "0"
},
{
 "level": "",
 "seqno": 20,
 "fieldname": "CODAdditionalAmount",
 "fieldvalue": "0"
},
{
 "level": "",
 "seqno": 21,
 "fieldname": "CODCashFlag",
 "fieldvalue": "no"
},
{
 "level": "",
 "seqno": 22,
 "fieldname": "CODFlag",
 "fieldvalue": "no"
},
{
 "level": "",
 "seqno": 23,
 "fieldname": "Customer",
```

```
   "fieldvalue": "1"
 },
 {
  "level": "",
  "seqno": 24,
  "fieldname": "DeclaredCost",
  "fieldvalue": "375"
 },
 {
  "level": "",
  "seqno": 25,
  "fieldname": "DeclaredRetail",
  "fieldvalue": "1500"
 },
 {
  "level": "",
  "seqno": 26,
  "fieldname": "Email",
  "fieldvalue": "brian.shipto@infor.com"
 },
 {
  "level": "",
  "seqno": 27,
  "fieldname": "FreightFlag",
  "fieldvalue": "yes"
 },
 {
  "level": "",
  "seqno": 28,
  "fieldname": "FreightTermsCode",
  "fieldvalue": ""
 },
 {
  "level": "",
  "seqno": 29,
  "fieldname": "Hazardous",
  "fieldvalue": "no"
```

```
  },
  {
   "level": "",
   "seqno": 30,
   "fieldname": "InUseBy",
   "fieldvalue": ""
  },
  {
   "level": "",
   "seqno": 31,
   "fieldname": "NumberOfLines",
   "fieldvalue": "3"
  },
  {
   "level": "",
   "seqno": 32,
   "fieldname": "PhoneNumber",
   "fieldvalue": "7189408488"
  },
  {
   "level": "",
   "seqno": 33,
   "fieldname": "PreviousPackage",
   "fieldvalue": "0"
  },
  {
   "level": "",
   "seqno": 34,
   "fieldname": "PurchaseOrderNumber",
   "fieldvalue": "PO#"
  },
  {
   "level": "",
   "seqno": 35,
   "fieldname": "RouteDayStop",
   "fieldvalue": "abc1111"
  },
```

```
{
 "level": "",
 "seqno": 36,
 "fieldname": "ShippingInstructions",
 "fieldvalue": "Ship It Now!"
},
{
 "level": "",
 "seqno": 37,
 "fieldname": "ShippingInstructionsExtended",
 "fieldvalue": ""
},
{
 "level": "",
 "seqno": 38,
 "fieldname": "Shipto1",
 "fieldvalue": "Cust #1 Ship To MastDock"
},
{
 "level": "",
 "seqno": 39,
 "fieldname": "Shipto2",
 "fieldvalue": "Address 1 Of ShipTo"
},
{
 "level": "",
 "seqno": 40,
 "fieldname": "Shipto3",
 "fieldvalue": "2nd Line of ShipTo Address"
},
{
 "level": "",
 "seqno": 41,
 "fieldname": "Shipto4",
 "fieldvalue": "Colorado Springs, CO"
},
{
```

```
  "level": "",
  "seqno": 42,
  "fieldname": "Shipto5",
  "fieldvalue": "3rd Line of ShipTo Address"
 },
 {
  "level": "",
  "seqno": 43,
  "fieldname": "ShiptoZipCode",
  "fieldvalue": "80920"
 },
 {
  "level": "",
  "seqno": 44,
  "fieldname": "StageCode",
  "fieldvalue": "2"
 },
 {
  "level": "",
  "seqno": 45,
  "fieldname": "TransactionType",
  "fieldvalue": "SO"
 },
 {
  "level": "",
  "seqno": 46,
  "fieldname": "Warehouse",
  "fieldvalue": "main"
 },
 {
  "level": "",
  "seqno": 47,
  "fieldname": "WarningMesssage",
  "fieldvalue": ""
 }
 ]
},
```

```
    "tOutfieldvalue": {
     "t-outfieldvalue": []
    }
     }
    }
```

GetTransfer

This call gets detailed information about a warehouse transfer.

Input values

This table shows the values that are included in the request:

Value	Description
Company	Company number
Operator	Operator initials
OrderNumber	Order number
OrderSuffix	Order number suffix

Request example

```
{
  "request": {
   "companyNumber": 1000,
   "operatorInit": "sys",
   "operatorPassword": "sys",
   "integrationType": "SX",
   "callToExecute": "GetTransfer",
   "tInShipintegration": {
   "t-in-shipintegration": [
    {
   "FieldName": "Company",
```

```
    "FieldValue": "94"
  },
  {
"FieldName": "Operator",
"FieldValue": "blw"
  },
  {
"FieldName": "OrderNumber",
"FieldValue": "45863"
  },
  {
"FieldName": "OrderSuffix",
"FieldValue": "00"
  }
]
  },
  "tInfieldvalue": {
"t-infieldvalue": []
  }
}
}
```

Output values

This table shows the values that can be returned in the response:

Value	Description
Company	Company number
OrderNumber	Order number
OrderSuffix	Order number suffix
OrderType	T to indicate a warehouse transfer
BillingAccount	Billing account number
BillingName	Billing name
BillingAddress1	First line of the billing address
BillingAdddress2	Second line of the billing address

Value	Description
BillingAddress3	Third line of the billing address
BillingCity	City of the billing address
BillingState	State of the billing address
BillingZipCode	Zip code of the billing address
BillingCountry	Country of the billing address
Carrier	Carrier name
CarrierDescription	Carrier description
DeclaredCost	Declared cost
DeclaredRetail	Declared value
FreightTermsCode	Freight terms code
Hazardous	Yes or no value that indicates if the shipment contains hazardous material
NumberOfLines	Number of lines on transfer
PreviousPackage	Number of packages previously shipped for the transfer
ShippingInstructions	Shipping instructions
Shipto1	Ship to name
Shipto2	Ship to address line 1
Shipto3	Ship to address line 2
Shipto4	City and state or province
Shipto5	Ship to address line 3
ShiptoZipCode	Ship to zip code
StageCode	Stage code of the warehouse transfer
TransactionType	Transaction type of the warehouse transfer
Warehouse	Warehouse in which the warehouse transfer was placed
WarningMesssage	Error message from the shipping application
cErrorMessage	Warning message from the shipping application

Response example

```
{
```

```
 "response": {
"cErrorMessage": "",
"tOutShipintegration": {
 "t-out-shipintegration": [
{
 "level": "",
 "seqno": 1,
 "fieldname": "Company",
 "fieldvalue": "94"
},
{
 "level": "",
 "seqno": 2,
 "fieldname": "OrderNumber",
 "fieldvalue": "45863"
},
{
 "level": "",
 "seqno": 3,
 "fieldname": "OrderSuffix",
 "fieldvalue": "0"
},
{
 "level": "",
 "seqno": 4,
 "fieldname": "OrderType",
 "fieldvalue": "t"
},
{
 "level": "",
 "seqno": 5,
 "fieldname": "BillingAccount",
 "fieldvalue": ""
},
{
 "level": "",
 "seqno": 6,
```

```
  "fieldname": "BillingName",
  "fieldvalue": ""
},
{
  "level": "",
  "seqno": 7,
  "fieldname": "BillingAddress1",
  "fieldvalue": ""
},
{
  "level": "",
  "seqno": 8,
  "fieldname": "BillingAdddress2",
  "fieldvalue": ""
},
{
  "level": "",
  "seqno": 9,
  "fieldname": "BillingAddress3",
  "fieldvalue": ""
},
{
  "level": "",
  "seqno": 10,
  "fieldname": "BillingCity",
  "fieldvalue": ""
},
{
  "level": "",
  "seqno": 11,
  "fieldname": "BillingState",
  "fieldvalue": ""
},
{
  "level": "",
  "seqno": 12,
  "fieldname": "BillingZipCode",
```

```
 "fieldvalue": ""
},
{
 "level": "",
 "seqno": 13,
 "fieldname": "BillingCountry",
 "fieldvalue": ""
},
{
 "level": "",
 "seqno": 14,
 "fieldname": "Carrier",
 "fieldvalue": "UPS"
},
{
 "level": "",
 "seqno": 15,
 "fieldname": "CarrierDescription",
 "fieldvalue": "ups"
},
{
 "level": "",
 "seqno": 16,
 "fieldname": "DeclaredCost",
 "fieldvalue": "375"
},
{
 "level": "",
 "seqno": 17,
 "fieldname": "DeclaredRetail",
 "fieldvalue": "375"
},
{
 "level": "",
 "seqno": 18,
 "fieldname": "FreightTermsCode",
 "fieldvalue": ""
```

```
    },
    {
     "level": "",
     "seqno": 19,
     "fieldname": "Hazardous",
     "fieldvalue": "no"
    },
    {
     "level": "",
     "seqno": 20,
     "fieldname": "NumberOfLines",
     "fieldvalue": "3"
    },
    {
     "level": "",
     "seqno": 21,
     "fieldname": "PreviousPackage",
     "fieldvalue": "0"
    },
    {
     "level": "",
     "seqno": 22,
     "fieldname": "ShippingInstructions",
     "fieldvalue": ""
    },
    {
     "level": "",
     "seqno": 23,
     "fieldname": "Shipto1",
     "fieldvalue": "Standard SX"
    },
    {
     "level": "",
     "seqno": 24,
     "fieldname": "Shipto2",
     "fieldvalue": "5555 Tech Center Dr"
    },
```

```
{
 "level": "",
 "seqno": 25,
 "fieldname": "Shipto3",
 "fieldvalue": "2nd Line of Addr"
},
{
 "level": "",
 "seqno": 26,
 "fieldname": "Shipto4",
 "fieldvalue": "Colorado Springs, CO"
},
{
 "level": "",
 "seqno": 27,
 "fieldname": "Shipto5",
 "fieldvalue": "Third Line of Address ICSD"
},
{
 "level": "",
 "seqno": 28,
 "fieldname": "ShiptoZipCode",
 "fieldvalue": "80919"
},
{
 "level": "",
 "seqno": 29,
 "fieldname": "StageCode",
 "fieldvalue": "2"
},
{
 "level": "",
 "seqno": 30,
 "fieldname": "TransactionType",
 "fieldvalue": "WT"
},
{
```

```
 "level": "",
 "seqno": 31,
 "fieldname": "Warehouse",
 "fieldvalue": "main"
},
{
 "level": "",
 "seqno": 32,
 "fieldname": "WarningMesssage",
 "fieldvalue": ""
}
 ]
},
"tOutfieldvalue": {
 "t-outfieldvalue": []
}
 }
}
```

GetShippingRequest

This call gets detailed information about a shipping request submitted in **Sales Shipping Request Entry**.

Input values

This table shows the values that are included in the request:

Value	Description
Company	Company number
Operator	Operator initials
OrderNumber	Request number from **Sales Shipping Request Entry**

Request example

```
{
  "request": {
    "companyNumber": 1000,
    "operatorInit": "sys",
    "operatorPassword": "sys",
    "integrationType": "SX",
    "callToExecute": "GetShippingRequest",
    "tInShipintegration": {
      "t-in-shipintegration": [
        {
          "FieldName": "Company",
          "FieldValue": "94"
        },
        {
          "FieldName": "Operator",
          "FieldValue": "blw"
        },
        {
          "FieldName": "OrderNumber",
          "FieldValue": "6"
        }
      ]
    },
    "tInfieldvalue": {
      "t-infieldvalue": []
    }
  }
}
```

Output values

This table shows the values that can be returned in the response:

Value	Description
Company	Company number
OrderNumber	Request number from **Sales Shipping Request Entry**
OrderType	s to indicate a shipping request
Carrier	Carrier
CarrierDescription	Carrier description
CODFlag	no to indicate that COD is not required
Description1	Shipping request description line 1
Description2	Shipping request description line 2
PhoneNumber	Not used
ShippedFlag	Yes or no value that indicates if the request was shipped
ShipTo1	Name
ShipTo2	First line of the ship to address
ShipTo3	Second line of the ship to address
ShipTo4	City and state or province
ShipTo5	Third line of the ship to address
ShipToZipCode	Zip code
cErrorMessage	Error message from the shipping application
WarningMessage	Warning message from the shipping application

Response example

```
{
  "response": {
 "cErrorMessage": "",
 "tOutShipintegration": {
  "t-out-shipintegration": [
 {
 "level": "",
 "seqno": 1,
 "fieldname": "Company",
 "fieldvalue": "94"
```

```
  },
  {
   "level": "",
   "seqno": 2,
   "fieldname": "OrderNumber",
   "fieldvalue": "6"
  },
  {
   "level": "",
   "seqno": 3,
   "fieldname": "OrderType",
   "fieldvalue": "s"
  },
  {
   "level": "",
   "seqno": 4,
   "fieldname": "Carrier",
   "fieldvalue": "ups"
  },
  {
   "level": "",
   "seqno": 5,
   "fieldname": "CarrierDescription",
   "fieldvalue": "ups"
  },
  {
   "level": "",
   "seqno": 6,
   "fieldname": "CODFlag",
   "fieldvalue": "no"
  },
  {
   "level": "",
   "seqno": 7,
   "fieldname": "Description1",
   "fieldvalue": "Shipping Request For Quick Shipment"
  },
```

```
{
 "level": "",
 "seqno": 8,
 "fieldname": "Description2",
 "fieldvalue": "Entered In OEER – Non Order Shipment"
},
{
 "level": "",
 "seqno": 9,
 "fieldname": "PhoneNumber",
 "fieldvalue": ""
},
{
 "level": "",
 "seqno": 10,
 "fieldname": "ShippedFlag",
 "fieldvalue": "no"
},
{
 "level": "",
 "seqno": 11,
 "fieldname": "Shipto1",
 "fieldvalue": "Customer #1"
},
{
 "level": "",
 "seqno": 12,
 "fieldname": "Shipto2",
 "fieldvalue": "12345 South Springs CT 2"
},
{
 "level": "",
 "seqno": 13,
 "fieldname": "Shipto3",
 "fieldvalue": "ARSC 2nd Line of Address"
},
{
```

```
  "level": "",
  "seqno": 14,
  "fieldname": "Shipto4",
  "fieldvalue": "Colorado Springs, CO"
},
{
  "level": "",
  "seqno": 15,
  "fieldname": "Shipto5",
  "fieldvalue": ""
},
{
  "level": "",
  "seqno": 16,
  "fieldname": "ShiptoZipCode",
  "fieldvalue": "80919"
},
{
  "level": "",
  "seqno": 17,
  "fieldname": "WarningMesssage",
  "fieldvalue": ""
}
 ]
},
"tOutfieldvalue": {
 "t-outfieldvalue": []
}
 }
}
```

GetTotal

This call gets the order total for a sales order when a value that affects the order total, such as freight, is changed. The call gets freight, addons, extra billing, and COD charge amounts.

Input values

This table shows the values that are included in the request:

Value	Description
Company	Company number
Operator	Operator initials
OrderNumber	Order number
OrderSuffix	Order number suffix
OrderType	0 to indicate a sales order
CODChargeFlag	True or false value that indicates if the additional COD charge amount applies
CODCharge	Additional COD charge amount
Carrier	Carrier
BillingOtherFlag	True or false value that indicates if freight is billed to third-party
AddonAmount	Total addon amount for all packages
Freight	Freight amount

Request example

```
{
  "request": {
   "companyNumber": 1000,
   "operatorInit": "sys",
   "operatorPassword": "sys",
   "integrationType": "SX",
   "callToExecute": "GetTotal",
   "tInShipintegration": {
  "t-in-shipintegration": [
   {
  "FieldName": "Company",
  "FieldValue": "94"
   },
   {
  "FieldName": "Operator",
```

```
"FieldValue": "blw"
 },
 {
"FieldName": "OrderNumber",
"FieldValue": "5500"
 },
 {
"FieldName": "OrderSuffix",
"FieldValue": "00"
 },
 {
"FieldName": "OrderType",
"FieldValue": "o"
 },
 {
"FieldName": "CODChargeFlag",
"FieldValue": "true"
 },
 {
"FieldName": "CODCharge",
"FieldValue": "10.75"
 },
 {
"FieldName": "Carrier",
"FieldValue": "UPSG"
 },
 {
"FieldName": "BillingOtherFlag",
"FieldValue": "false"
 },
 {
"FieldName": "AddonAmount",
"FieldValue": "3.25"
 },
 {
"FieldName": "Freight",
"FieldValue": "5.75"
```

```
   }
  ]
  },
  "tInfieldvalue": {
"t-infieldvalue": []
  }
 }
 }
```

Output values

This table shows the values that can be returned in the response:

Value	Description
Company	Company number
OrderNumber	Order number
OrderSuffix	Order number suffix
OrderType	o to indicate a sales order
AddonTotal	Total addon amount for all packages
OrderTotal	Total of the order
cErrorMessage	Error message from the shipping application
WarningMessage	Warning message from the shipping application

Response example

```
{
  "response": {
"cErrorMessage": "",
"tOutShipintegration": {
 "t-out-shipintegration": [
{
"level": "",
"seqno": 1,
```

```
  "fieldname": "Company",
  "fieldvalue": "94"
 },
 {
  "level": "",
  "seqno": 2,
  "fieldname": "OrderNumber",
  "fieldvalue": "5500"
 },
 {
  "level": "",
  "seqno": 3,
  "fieldname": "OrderSuffix",
  "fieldvalue": "0"
 },
 {
  "level": "",
  "seqno": 4,
  "fieldname": "OrderType",
  "fieldvalue": "o"
 },
 {
  "level": "",
  "seqno": 5,
  "fieldname": "AddonTotal",
  "fieldvalue": "10"
 },
 {
  "level": "",
  "seqno": 6,
  "fieldname": "OrderTotal",
  "fieldvalue": "1575.75"
 },
 {
  "level": "",
  "seqno": 7,
  "fieldname": "WarningMesssage",
```

```
  "fieldvalue": ""
 }
  ]
 },
 "tOutfieldvalue": {
  "t-outfieldvalue": []
 }
   }
  }
```

ShipPackage

This call creates OEEHP package records for a sales order, warehouse transfer, or shipping request. If a single order is comprised of multiple packages, it is used after a successful Get call. This call does not create the OEEHP package record for the final package or ship an order.

See

Input values

This table shows the values that are included in the request:

Value	Description
Company	Company number
Operator	Operator initials
OrderNumber	Order number
OrderSuffix	Order number suffix
OrderType	These values are used to indicate the order type: • o: Sales Order • T: Warehouse transfer • s: Shipping request
PackageNumber	Package number
TrackerID	Tracker number
AddonAmount	Addon amount for this package
Freight	Freight amount for this package

Value	Description
ActualWeight	Actual weight
CODCharge	COD additional charge amount
CODAmount	COD amount
BillingOtherFlag	True or false value that indicates if freight is billed to a third-party
CarrierURL	Web address for the carrier

Request example

```
{
  "request": {
   "companyNumber": 1000,
   "operatorInit": "sys",
   "operatorPassword": "sys",
   "integrationType": "SX",
   "callToExecute": "ShipPackage",
   "tInShipintegration": {
  "t-in-shipintegration": [
   {
  "FieldName": "Company",
  "FieldValue": "94"
   },
   {
  "FieldName": "Operator",
  "FieldValue": "blw"
   },
   {
  "FieldName": "OrderNumber",
  "FieldValue": "5500"
   },
   {
  "FieldName": "OrderSuffix",
  "FieldValue": "00"
   },
   {
```

```
"FieldName": "OrderType",

"FieldValue": "o"

 },

 {

"FieldName": "PackageNumber",

"FieldValue": "1"

 },

 {

"FieldName": "TrackerID",

"FieldValue": "blw-test-1"

 },

 {

"FieldName": "AddonAmount",

"FieldValue": "10.50"

 },

 {

"FieldName": "Freight",

"FieldValue": "7.75"

 },

 {

"FieldName": "ActualWeight",

"FieldValue": "6.83"

 },

 {

"FieldName": "CODCharge",

"FieldValue": "0"

 },

 {

"FieldName": "CODAmount",

"FieldValue": "0"

 },

 {

"FieldName": "BillingOtherFlag",

"FieldValue": "false"

 },

 {

"FieldName": "CarrierURL",
```

```
"FieldValue": "http://www.ups.com/tracking/blw-test-1"
 }
]
 },
 "tInfieldvalue": {
"t-infieldvalue": []
 }
 }
 }
```

Output values

This table shows the values that can be returned in the response:

Value	Description
Company	Company number
OrderNumber	Order number
OrderSuffix	Order number suffix
OrderType	These values are used to indicate the order type: • O: Sales Order • T: Warehouse transfer • S: Shipping request
cErrorMessage	Error message from the shipping application
WarningMessage	Warning message from the shipping application

Response example

```
{
  "response": {
"cErrorMessage": "",
"tOutShipintegration": {
 "t-out-shipintegration": [
{
 "level": "",
```

```
  "seqno": 1,
  "fieldname": "Company",
  "fieldvalue": "94"
},
{
  "level": "",
  "seqno": 2,
  "fieldname": "OrderNumber",
  "fieldvalue": "5500"
},
{
  "level": "",
  "seqno": 3,
  "fieldname": "OrderSuffix",
  "fieldvalue": "0"
},
{
  "level": "",
  "seqno": 4,
  "fieldname": "OrderType",
  "fieldvalue": "o"
},
{
  "level": "",
  "seqno": 5,
  "fieldname": "WarningMesssage",
  "fieldvalue": ""
}
 ]
},
"tOutfieldvalue": {
 "t-outfieldvalue": []
}
 }
}
```

ShipOrder

This call creates the final OEEHP package record for a sales order, warehouse transfer, or shipping request and ships the order.

Input values

This table shows the values that are included in the request:

Value	Description
Company	Company number
Operator	Operator initials
OrderNumber	Order number
OrderSuffix	Order number suffix
OrderType	These values are used to indicate the order type: • o: Sales Order • т: Warehouse transfer • s: Shipping request
PackageNumber	Package number **Note:** This value must be an integer.
PrinterName	Printer name from a **SA Printer Setup** record
TrackerID	Tracker number
TransactionType	s for ship
AddonAmount	Addon amount for this package
Freight	Freight amount for this package
ActualWeight	Actual weight
CODCharge	COD additional charge amount
CODAmount	COD amount
CODChargeFlag	True or false value that indicates if the additional COD charge amount applies
BillingOtherFlag	True or false value that indicates if freight is billed to a third-party
BillingAccount	Billing account number
FreightTermsCode	Freight Terms code
Carrier	Carrier

Value	Description
CarrierURL	Web address for the carrier

Request example

```json
{
 "request": {
  "companyNumber": 1000,
  "operatorInit": "sys",
  "operatorPassword": "sys",
  "integrationType": "SX",
  "callToExecute": "ShipOrder",
  "tInShipintegration": {
 "t-in-shipintegration": [
  {
 "FieldName": "Company",
 "FieldValue": "94"
  },
  {
 "FieldName": "Operator",
 "FieldValue": "blw"
  },
  {
 "FieldName": "OrderNumber",
 "FieldValue": "5520"
  },
  {
 "FieldName": "OrderSuffix",
 "FieldValue": "00"
  },
  {
 "FieldName": "OrderType",
 "FieldValue": "o"
  },
  {
```

```
"FieldName": "PackageNumber",
"FieldValue": "1"
 },
 {
"FieldName": "PrinterName",
"FieldValue": "4esicp"
 },
 {
"FieldName": "TrackerID",
"FieldValue": "blw-test-1"
 },
 {
"FieldName": "TransactionType",
"FieldValue": "s"
 },
 {
"FieldName": "AddonAmount",
"FieldValue": "10.50"
 },
 {
"FieldName": "Freight",
"FieldValue": "7.75"
 },
 {
"FieldName": "ActualWeight",
"FieldValue": "6.83"
 },
 {
"FieldName": "CODCharge",
"FieldValue": "5.75"
 },
 {
"FieldName": "CODAmount",
"FieldValue": "5.75"
 },
 {
"FieldName": "CODChargeFlag",
```

```
    "FieldValue": "true"
  },
  {
  "FieldName": "BillingOtherFlag",
  "FieldValue": "false"
  },
  {
  "FieldName": "BillingAccount",
  "FieldValue": ""
  },
  {
  "FieldName": "FreightTermsCode",
  "FieldValue": ""
  },
  {
  "FieldName": "Carrier",
  "FieldValue": "ups"
  },
  {
  "FieldName": "CarrierURL",
  "FieldValue": "http://www.ups.com/tracking/blw-test-1"
  }
]
  },
  "tInfieldvalue": {
  "t-infieldvalue": []
  }
 }
 }
```

Output values

This table shows the values that can be returned in the response:

Value	Description
Company	Company number

Value	Description
OrderNumber	Order number
OrderSuffix	Order number suffix
OrderType	These values are used to indicate the order type: • o: Sales Order • t: Warehouse transfer • s: Shipping request
cErrorMessage	Error message from the shipping application
WarningMessage	Warning message from the shipping application

Response example

```
{
  "response": {
  "cErrorMessage": "",
  "tOutShipintegration": {
   "t-out-shipintegration": [
   {
    "level": "",
    "seqno": 1,
    "fieldname": "Company",
    "fieldvalue": "94"
   },
   {
    "level": "",
    "seqno": 2,
    "fieldname": "OrderNumber",
    "fieldvalue": "5520"
   },
   {
    "level": "",
    "seqno": 3,
    "fieldname": "OrderSuffix",
    "fieldvalue": "0"
   },
```

```
{
 "level": "",
 "seqno": 4,
 "fieldname": "OrderType",
 "fieldvalue": "o"
},
{
 "level": "",
 "seqno": 5,
 "fieldname": "WarningMesssage",
 "fieldvalue": ""
}
 ]
},
"tOutfieldvalue": {
 "t-outfieldvalue": []
}
 }
}
```

UnshipPackage

This call unships the OEEHP package record and unships the sales order, warehouse transfer, or shipping request.

Input values

This table shows the values that are included in the request:

Value	Description
Company	Company number
Operator	Operator initials
OrderNumber	Order number
OrderSuffix	Order number suffix

Value	Description
OrderType	These values are used to indicate the order type: • o: Sales Order • T: Warehouse transfer • s: Shipping request
TrackerID	Tracker number
TransactionType	V for void

Request example

```
{
  "request": {
   "companyNumber": 1000,
   "operatorInit": "sys",
   "operatorPassword": "sys",
   "integrationType": "SX",
   "callToExecute": "UnshipPackage",
   "tInShipintegration": {
   "t-in-shipintegration": [
    {
   "FieldName": "Company",
   "FieldValue": "94"
    },
    {
   "FieldName": "Operator",
   "FieldValue": "blw"
    },
    {
   "FieldName": "OrderNumber",
   "FieldValue": "5500"
    },
    {
   "FieldName": "OrderSuffix",
   "FieldValue": "00"
    },
```

```
  {
"FieldName": "OrderType",
"FieldValue": "o"
  },
  {
"FieldName": "TrackerID",
"FieldValue": "blw-test-1"
  },
  {
"FieldName": "TransactionType",
"FieldValue": "v"
  }
]
  },
  "tInfieldvalue": {
"t-infieldvalue": []
  }
  }
  }
```

Output values

This table shows the values that can be returned in the response:

Value	Description
Company	Company number
OrderNumber	Order number
OrderSuffix	Order number suffix
OrderType	These values are used to indicate the order type: • o: Sales Order • T: Warehouse transfer • s: Shipping request
cErrorMessage	Error message from the shipping application
WarningMessage	Warning message from the shipping application

Response example

```
{
  "response": {
"cErrorMessage": "",
"tOutShipintegration": {
 "t-out-shipintegration": [
{
 "level": "",
 "seqno": 1,
 "fieldname": "Company",
 "fieldvalue": "94"
},
{
 "level": "",
 "seqno": 2,
 "fieldname": "OrderNumber",
 "fieldvalue": "5500"
},
{
 "level": "",
 "seqno": 3,
 "fieldname": "OrderSuffix",
 "fieldvalue": "0"
},
{
 "level": "",
 "seqno": 4,
 "fieldname": "OrderType",
 "fieldvalue": "o"
},
{
 "level": "",
 "seqno": 5,
 "fieldname": "WarningMesssage",
 "fieldvalue": ""
}
```

```
  ]
},
"tOutfieldvalue": {
 "t-outfieldvalue": []
}
 }
}
```

Appendix B: REST-based API calls for TWL

This section provides details about the API calls that are used for the TWL shipping method, including input and output values. The request and response examples show the JSON format in which values must be exchanged. Replace the sample data with your own values as appropriate.

The shipping application can add up to five custom data values to the API calls. Distribution SX.e must be customized to process the custom values. In standard Distribution SX.e, the custom fields are not used.

Validate

This call validates the company, warehouse, operator, and printer entities.

Input values

This table shows the values that are included in the request:

Value	Description
Company	Company number
Warehouse	Warehouse
Operator	Operator initials
PrinterName	Printer name from **SA Printer Setup**

Request example

```
{

  "request": {

   "companyNumber": 5000,

   "operatorInit": "win",
```

```
  "operatorPassword": "win",
  "integrationType": "TWL",
  "callToExecute": "Validate",
  "tInShipintegration": {
 "t-in-shipintegration": [
  {
 "FieldName": "Company",
 "FieldValue": "5000"
  },
  {
 "FieldName": "Operator",
 "FieldValue": "win"
  },
  {
 "FieldName": "PrinterName",
 "FieldValue": "uscscsouth"
  },
  {
 "FieldName": "Warehouse",
 "FieldValue": "twl"
  }
 ]
  },
  "tInfieldvalue": {
 "t-infieldvalue": []
  }
 }
 }
```

Output values

This table shows the values that can be returned in the response:

Value	Description
Company	Company number
cErrorMessage	Error message from the shipping application

Value	Description
WarningMessage	Warning message from the shipping application

Response example

```
{
  "response": {
  "cErrorMessage": "",
  "tOutShipintegration": {
  "t-out-shipintegration": [
  {
  "level": "",
  "seqno": 1,
  "fieldname": "Company",
  "fieldvalue": "5000"
  },
  {
  "level": "",
  "seqno": 2,
  "fieldname": "WarningMessage",
  "fieldvalue": ""
  }
  }
  },
  "tOutfieldvalue": {
  "t-outfieldvalue": []
  }
  }
}
```

Error response example

```
{
  "response": {
```

```
 "cErrorMessage": "Operator Not Set Up in Operator Setup - SASOO (4008),
SX, Validate",

 "tOutShipintegration": {

 "t-out-shipintegration": [

 {

 "level": "",

 "seqno": 1,

 "fieldname": "Company",

 "fieldvalue": "5000"

 }

 ]

 },

 "tOutfieldvalue": {

 "t-outfieldvalue": []

 }

 }

 }
```

GetContainer

This call gets detailed information about cartons or pallets. The shipping interface client uses this information to determine the freight rate.

Input values

This table shows the values that are included in the GetContainer request:

Value	Description
Company	Company number
Operator	Operator initials
OrderNumber	Sales order or transfer number

Value	Description
ValidateCode	These codes validate the corresponding information on **Customer Ship To Setup** records in Distribution SX.e: • `c`: Ship To name • `1`: First line of the address • `2`: Second line of the address • `3`: Third line of the address • `z`: Zip code If any changes were made to the ship to data after information for first package for the order was retrieved, the request fails. The `F` code validates whether multiple orders are in a container. If yes, the error `Multiple orders: freight information differs` is returned. If multiple orders exist, only the data from the first transaction found is returned in the response.
Warehouse	Distribution SX.e warehouse
Container	Carton or pallet information
PackFlag	Yes or no value that indicates if the order must be packed before any containers shipped. For example, one container is packed but other products for the order are not packed.
OrderSuffix	Sales order or transfer order suffix
PackageNumber	Number of the package within the container
Carrier	Shipping carrier code
PrinterName	Label printer name
TrackerID	Tracker number from the sales order or transfer order packages detail
TransactionType	Transaction type, can be `s`, `v`, `o`, or `t`
AddonAmount	Addon amount
Freight	Freight amount
ActualWeight	Package weight
CODCharge	COD charges
CODAmount	Amount against which the COD charge is applied
CODChargeFlag	True or false value that indicates if COD charges are applied
BillingOtherFlag	True or false value
BillingAccount	Freight Billing Account
BillingName	Freight Billing Name
BillingAddress1, 2, 3	Freight Billing Address 1, 2, 3

Value	Description
BillingCity	Freight Billing City
BillingState	Freight Billing State
BillingZipCode	Freight Billing Zip Code
BillingCountry	Freight Billing Country Code
FreightTermsCode	Freight Terms Code
CarrierURL	URL for shipping carrier's tracking web site

Request example

```
{
    "request": {
      "companyNumber": 94,
      "operatorInit": "sys",
      "operatorPassword": "blw",
      "integrationType": "TWL",
      "callToExecute": "GetContainer",
      "tInShipintegration": {
        "t-in-shipintegration": [
          {
            "FieldName": "Company",
            "FieldValue": "5000"
          },
          {
            "FieldName": "Operator",
            "FieldValue": "vjp"
          },
          {
            "FieldName": "OrderNumber",
            "FieldValue": "2001"
          },
          {
            "FieldName": "ValidateCode",
            "FieldValue": "F"
          },
          {
            "FieldName": "Warehouse",
            "FieldValue": "twl"
          },
          {
            "FieldName": "Container",
            "FieldValue": "C000000001"
          },
          {
            "FieldName": "PackFlag",
            "FieldValue": "no"
          },
          {
            "FieldName": "OrderSuffix",
            "FieldValue": "00"
          },
          {
            "FieldName": "OrderType",
            "FieldValue": "o"
          },
          {
            "FieldName": "PackageNumber",
            "FieldValue": "1"
```

```
        },
         {
          "FieldName": "Carrier",
          "FieldValue": "upsg"
        },
        {
          "FieldName": "PrinterName",
          "FieldValue": "null"
        },
        {
          "FieldName": "TrackerID",
          "FieldValue": "blw-test-1"
        },
        {
          "FieldName": "TransactionType",
          "FieldValue": "s"
        },
        {
          "FieldName": "AddonAmount",
          "FieldValue": "10.50"
        },
        {
          "FieldName": "Freight",
          "FieldValue": "7.75"
        },
        {
          "FieldName": "ActualWeight",
          "FieldValue": "6.83"
        },
        {
          "FieldName": "CODCharge",
          "FieldValue": "0"
        },
        {
          "FieldName": "CODAmount",
          "FieldValue": "0"
        },
        {
          "FieldName": "CODChargeFlag",
          "FieldValue": "false"
        },
        {
          "FieldName": "BillingOtherFlag",
          "FieldValue": "false"
        },
        {
          "FieldName": "BillingAccount",
          "FieldValue": ""
        },
        {
          "FieldName": "FreightTermsCode",
          "FieldValue": ""
        },
        {
          "FieldName": "CarrierURL",
          "FieldValue": "http://www.ups.com/tracking/blw-test-1"
        }
      ]
    },
    "tInfieldvalue": {
      "t-infieldvalue": []
    }
  }
}
```

Output values

This table shows the values that can be returned in the response:

Note: Address lines shift up to avoid blank lines. For example, if Shipto3 or Shipto4 do not contain values, the Shipto5 value is immediately after the Shipto2 value.

Value	Description
Company	Company number
Customer	Distribution SX.e customer
Carrier	Carrier
Shipto1	Ship to name
Shipto2	First line of the ship to address
Shipto3	Second line of the ship to address
Shipto4	Third line of the ship to address
Shipto5	City and state or province
ShiptoZipCode	Zip code
PurchaseOrderNumber	PO # from sales order (only)
CODFlag	Yes or no value that indicates if COD is required
cErrorMessage	Error message from the shipping application
InsuredAmount	Insured amount
CODAmount	COD amount
ShippingInstructions	Shipping instructions
FreightPercentage	Percent of Total Freight from **Customer Billing Setup**
LastPackageFlag	Yes or no value that indicates if this is the last package for the order
FreightFlag	Yes or no value that indicates if freight should be charged, based on the **Update Freight Changes** option in Distribution SX.e
PackageNumber	Package ID
MSDSData	List of products and their MSDS Sheet Numbers, separated by a tilde (~), such as `~product,MSDSSheet~prod2,104-101~prod3,MSDS Sheet3`
OrderType	These values are used to indicate the order type: • `O`: Sales order • `T`: Warehouse transfer • `F`: Value Add order
PhoneNumber	Customer or ship to phone number

Value	Description
LabelData	Multi-use value that provides order numbers, reference information, and the package id in this format: ~~pono=<PoNo>~~Refer=<reference>~~orderno=<order #>~~pkgid="<Package ID>
CurrentPackageNumber	Current package #
TotalPackages	Total packages
CODCashFlag	Customer COD cash flag
WarningMessage	Warning message from the shipping application

Response example

```
{
    "response": {
    "cErrorMessage": "",
    "tOutShipintegration": {
    "t-out-shipintegration": [
    {
    "level": "",
    "seqno": 1,
    "fieldname": "Company",
    "fieldvalue": "5000"
    },
    {
    "level": "",
    "seqno": 2,
    "fieldname": "Carrier",
    "fieldvalue": "RoadPro"
    },
    {
    "level": "",
    "seqno": 3,
    "fieldname": "CODAmount",
    "fieldvalue": "0"
    },
```

```
{
"level": "",
"seqno": 4,
"fieldname": "CODCashFlag",
"fieldvalue": "no"
},
{
"level": "",
"seqno": 5,
"fieldname": "CODFlag",
"fieldvalue": "no"
},
{
"level": "",
"seqno": 6,
"fieldname": "CurrentPackageNumber",
"fieldvalue": "1"
},
{
"level": "",
"seqno": 7,
"fieldname": "Customer",
"fieldvalue": "97"
},
{
"level": "",
"seqno": 8,
"fieldname": "FreightPercentage",
"fieldvalue": "0"
},
{
"level": "",
"seqno": 9,
"fieldname": "FreightFlag",
"fieldvalue": "yes"
},
{
```

```
"level": "",
"seqno": 10,
"fieldname": "InsuredAmount",
"fieldvalue": "12.64"
},
{
"level": "",
"seqno": 11,
"fieldname": "LabelData",
"fieldvalue": "~pono=~refer=~orderno=o00014750-00~"
},
{
"level": "",
"seqno": 12,
"fieldname": "LastPackageFlag",
"fieldvalue": "yes"
},
{
"level": "",
"seqno": 13,
"fieldname": "MSDSData",
"fieldvalue": ""
},
{
"level": "",
"seqno": 14,
"fieldname": "OrderType",
"fieldvalue": "o"
},
{
"level": "",
"seqno": 15,
"fieldname": "PackageNumber",
"fieldvalue": "O00014750-00-001"
},
{
"level": "",
```

```
"seqno": 16,
"fieldname": "PhoneNumber",
"fieldvalue": "(609) 522-1882/ "
},
{
"level": "",
"seqno": 17,
"fieldname": "PurchaseOrderNumber",
"fieldvalue": ""
},
{
"level": "",
"seqno": 18,
"fieldname": "ShippingInstructions",
"fieldvalue": ""
},
{
"level": "",
"seqno": 19,
"fieldname": "Shipto1",
"fieldvalue": "Precision Processing"
},
{
"level": "",
"seqno": 20,
"fieldname": "Shipto2",
"fieldvalue": "5555 Tech Center Drive"
},
{
"level": "",
"seqno": 21,
"fieldname": "Shipto3",
"fieldvalue": "Suite 300"
},
{
"level": "",
"seqno": 22,
```

```
        "fieldname": "Shipto4",
        "fieldvalue": "Colorado Springs CO"
        },
        {
        "level": "",
        "seqno": 23,
        "fieldname": "Shipto5",
        "fieldvalue": ""
        },
        {
        "level": "",
        "seqno": 24,
        "fieldname": "ShiptoZipCode",
        "fieldvalue": "80919"
        },
        {
        "level": "",
        "seqno": 25,
        "fieldname": "Total Packages",
        "fieldvalue": "1"
        },
        {
        "level": "",
        "seqno": 26,
        "fieldname": "WarningMessage",
        "fieldvalue": ""
        }
        }
        },
        "tOutfieldvalue": {
        "t-outfieldvalue": []
        }
        }
}
```

GetTaxes

This call is used for the final COD package to calculate any taxes on freight.

Input values

This table shows the values that are included in the request:

Value	Description
Company	Company number
Operator	Operator initials
Warehouse	Warehouse
Container	Carton or pallet information
Freight	Freight for this container
CODTagAmount	Additional COD charge
CODAddonNumber	Addon number from Distribution SX.e to use for freight
CODChargeFlag	Yes or no value to indicate an additional COD charge per container

Request example

```
{
 "request": {
  "companyNumber": 5000,
  "operatorInit": "win",
  "operatorPassword": "win",
  "integrationType": "TWL",
  "callToExecute": "GetTaxes",
  "tInShipintegration": {
 "t-in-shipintegration": [
 {
 "FieldName": "Company",
 "FieldValue": "5000"
  },
  {
```

```
"FieldName": "Operator",

"FieldValue": "win"

 },

 {

"FieldName": "Warehouse",

"FieldValue": "twl"

 },

 {

"FieldName": "Container",

"FieldValue": "C000147610"

 },

 {

"FieldName": "Freight",

"FieldValue": "0"

 },

 {

"FieldName": "CODTagAmount",

"FieldValue": "11"

 },

 {

"FieldName": "CODAddonNumber",

"FieldValue": "0"

 },

 {

"FieldName": "CODChargeFlag",

"FieldValue": "yes"

 }

}

 },

 "tInfieldvalue": {

"t-infieldvalue": []

 }

}

}
```

Output values

This table shows the values that can be returned in the response:

Value	Description
Company	Company number
CODAmount	COD amount
cErrorMessage	Error message from the shipping application
WarningMessage	Warning message from the shipping application

Response example

```
{
  "response": {
  "cErrorMessage": "",
  "tOutShipintegration": {
  "t-out-shipintegration": [
  {
  "level": "",
  "seqno": 1,
  "fieldname": "Company",
  "fieldvalue": "5000"
  },
  {
  "level": "",
  "seqno": 2,
  "fieldname": "CODAmount",
  "fieldvalue": "20.5"
  }
  ]
  },
  "tOutfieldvalue": {
  "t-outfieldvalue": []
  }
  }
}
```

```
    }
```

Response error example

```
{

  "response": {

  "cErrorMessage": "Container has Already been Shipped (7609), TWL,
GetTaxes, 26754729:c000147610",

  "tOutShipintegration": {

  "t-out-shipintegration": [

  {

  "level": "",

  "seqno": 1,

  "fieldname": "Company",

  "fieldvalue": "5000"

  }

  ]

  },

  "tOutfieldvalue": {

  "t-outfieldvalue": []

  }

  }

}
```

ShipContainer

This call updates orders, based on container and shipment information.

Input values

This table shows the values that are included in the request:

Value	Description
Company	Company number

Value	Description
Operator	Operator initials
Warehouse	Warehouse
Container	Carton or pallet information
CODAdditionalAmount	Extra COD amount from **Customer Cash on Delivery Addon Setup**
Freight	Freight for the container
CODAmount	COD collect amount for this container
TrackerID	Tracker number for the container
Carrier	Carrier
PrinterName	Printer name for pick ticket or invoice printer from a **SA Printer Setup** record
LastPackageFlag	Yes or no value that indicates if this is the last package for the order
ActualWeight	Actual weight
PackageNumber	Package ID
PrintType	These values determine if pick tickets are printed: • 0: Do not print pick tickets • 1: Print sales order print tickets • 2: Print warehouse transfer print tickets • 3: Print sales order and warehouse transfer print tickets
UpdateFlag	Yes or no value to update the container and order. If yes, then the order is shipped, and the package becomes inactive. If no, then these events occur: • The order is not shipped until the carrier leaves the dock. The ShipVerifyCarrier call is later used to fully ship the orders that are ready for that carrier. GetCarrierList gets a list of carriers with orders that are waiting for ShipVerifyCarrier to complete the process. • The container stage is updated. If this container is the last container for the order, then the container stage is set to Final. If this container is not the last container for the order, then the container stage is set to Partial.
PrintTimeType	These values determine on which container to print the pick tickets: • 1: First container • 2: All containers • 4: Last container
CODTagAmount	Additional COD charge.
CODAddonNumber	Addon number from Distribution SX.e to use for freight.

Value	Description
CODChargeFlag	Yes or no value that indicates an additional COD charge per container.

Request example

```
{
    "request": {
        "companyNumber": 94,
        "operatorInit": "sys",
        "operatorPassword": "blw",
        "integrationType": "TWL",
        "callToExecute": "GetContainer",
        "tInShipintegration": {
            "t-in-shipintegration": [
                {
                    "FieldName": "Company",
                    "FieldValue": "5000"
                },
                {
                    "FieldName": "Operator",
                    "FieldValue": "vjp"
                },
                {
                    "FieldName": "OrderNumber",
                    "FieldValue": "2001"
                },
                {
                    "FieldName": "ValidateCode",
                    "FieldValue": "F"
                },
                {
                    "FieldName": "Warehouse",
                    "FieldValue": "twl"
                },
                {
                    "FieldName": "Container",
                    "FieldValue": "C000000001"
                },
                {
                    "FieldName": "PackFlag",
                    "FieldValue": "no"
                },
                {
                    "FieldName": "OrderSuffix",
                    "FieldValue": "00"
                },
                {
                    "FieldName": "OrderType",
                    "FieldValue": "o"
                },
                {
                    "FieldName": "PackageNumber",
                    "FieldValue": "1"
                },
                {
                    "FieldName": "Carrier",
                    "FieldValue": "upsg"
                },
                {
                    "FieldName": "PrinterName",
                    "FieldValue": "null"
                },
                {
                    "FieldName": "TrackerID",
                    "FieldValue": "blw-test-1"
```

```
    },
    {
      "FieldName": "TransactionType",
      "FieldValue": "s"
    },
    {
      "FieldName": "AddonAmount",
      "FieldValue": "10.50"
    },
    {
      "FieldName": "Freight",
      "FieldValue": "7.75"
    },
    {
      "FieldName": "ActualWeight",
      "FieldValue": "6.83"
    },
    {
      "FieldName": "CODCharge",
      "FieldValue": "0"
    },
    {
      "FieldName": "CODAmount",
      "FieldValue": "0"
    },
    {
      "FieldName": "CODChargeFlag",
      "FieldValue": "false"
    },
    {
      "FieldName": "BillingOtherFlag",
      "FieldValue": "false"
    },
    {
      "FieldName": "BillingAccount",
      "FieldValue": ""
    },
    {
      "FieldName": "FreightTermsCode",
      "FieldValue": ""
    },
    {
      "FieldName": "CarrierURL",
      "FieldValue": "http://www.ups.com/tracking/blw-test-1"
    }
  ]
},
"tInfieldvalue": {
  "t-infieldvalue": []
}
}
}
}
```

Output values

This table shows the values that can be returned in the response:

Value	Description
Company	Company number
PrintedFlag	Yes or no value that indicates if the print routine was called
Information	Contains report like return messages

Value	Description
cErrorMessage	Error message from the shipping application
WarningMessage	Warning message from the shipping application

Response example

```
{
    {
    "response": {
    "cErrorMessage": "",
    "tOutShipintegration": {
    "t-out-shipintegration": [
    {
    "level": "",
    "seqno": 1,
    "fieldname": "Company",
    "fieldvalue": "5000"
    },
    {
    "level": "",
    "seqno": 2,
    "fieldname": "PrintedFlag",
    "fieldvalue": "yes"
    },
    {
    "level": "",
    "seqno": 3,
    "fieldname": "WarningMessage",
    "fieldvalue": ""
    },
    {
    "level": "",
    "seqno": 4,
    "fieldname": "CustomData1",
    "fieldvalue":
 "<frttermscd>PREPAYADD</frttermscd><shipid>7560</shipid>"
```

```
    }
    }
    },
    "tOutfieldvalue": {
    "t-outfieldvalue": []
    }
    }
    }
```

GetCarrierList

This call gets a list of carriers that have containers ready to be shipped. Containers that are ready to be shipped are in the Final stage and the corresponding order is in Stage 3-Shipped or less.

Input values

This table shows the values that are included in the request:

Value	Description
Company	Company number
Operator	Operator initials
Warehouse	Warehouse

Request example

```
{
 "request": {
  "companyNumber": 5000,
  "operatorInit": "win",
  "operatorPassword": "win",
  "integrationType": "TWL",
  "callToExecute": "GetCarrierList",
  "tInShipintegration": {
```

```
"t-in-shipintegration": [
 {
"FieldName": "Company",
"FieldValue": "5000"
 },
 {
"FieldName": "Operator",
"FieldValue": "win"
 },
 {
"FieldName": "Warehouse",
"FieldValue": "twl"
 }
]
 },
 "tInfieldvalue": {
"t-infieldvalue": []
 }
 }
 }
```

Output values

This table shows the values that can be returned in the response:

Value	Description
Company	Company number
CarrierList	List of carriers, delimited by semicolons, with packages ready to ship
cErrorMessage	Error message from the shipping application
WarningMessage	Warning message from the shipping application

Response example

```
{
```

```
"response": {
"cErrorMessage": "",
"tOutShipintegration": {
"t-out-shipintegration": [
{
"level": "",
"seqno": 1,
"fieldname": "Company",
"fieldvalue": "5000"
},
{
"level": "",
"seqno": 2,
"fieldname": "CarrierList",
"fieldvalue": "SpeedyDelivery;RoadPro"
},
{
"level": "",
"seqno": 3,
"fieldname": "Warehouse",
"fieldvalue": "twl"
},
{
"level": "",
"seqno": 4,
"fieldname": "WarningMessage",
"fieldvalue": ""
}
]
},
"tOutfieldvalue": {
"t-outfieldvalue": []
}
}
}
```

ShipVerifyCarrier

This call ships all containers for a specific carrier if the container is in Final stage and the order in Stage 3-shipped or less. This call also updates transactions and records and generates a report that lists of shipping changes.

Input values

This table shows the values that are included in the request:

Value	Description
Company	Company number
Operator	Operator initials
Warehouse	Warehouse
Carrier	Carrier

Request example

```
{
  "request": {
   "companyNumber": 5000,
   "operatorInit": "win",
   "operatorPassword": "win",
   "integrationType": "TWL",
   "callToExecute": "ShipVerifyCarrier",
   "tInShipintegration": {
  "t-in-shipintegration": [
   {
  "FieldName": "Company",
  "FieldValue": "5000"
   },
   {
  "FieldName": "Operator",
  "FieldValue": "win"
   },
   {
```

```
"FieldName": "Warehouse",

"FieldValue": "twl"

 },

 {

"FieldName": "Carrier",

"FieldValue": "RoadPro"

 }

]

 },

 "tInfieldvalue": {

"t-infieldvalue": []

 }

 }

 }
```

Output values

This table shows the values that can be returned in the response:

Value	Description
Company	Company number
Information	Contains report-like return messages
cErrorMessage	Error message from the shipping application
WarningMessage	Warning message from the shipping application

Response example

```
{

  "response": {

  "cErrorMessage": "",

  "tOutShipintegration": {

  "t-out-shipintegration": [

  {

  "level": "",
```

```
"seqno": 1,

"fieldname": "Company",

"fieldvalue": "5000"

},

{

"level": "",

"seqno": 2,

"fieldname": "Carrier",

"fieldvalue": "RoadPro"

},

{

"level": "",

"seqno": 3,

"fieldname": "Warehouse",

"fieldvalue": "twl"

},

{

"level": "",

"seqno": 4,

"fieldname": "WarningMessage",

"fieldvalue": ""

}

]

},

"tOutfieldvalue": {

"t-outfieldvalue": []

}

}

}
```

UnShipContainer

This call unships a container. Typically, this call is used when a carton or pallet is repackaged because the original container or label was damaged.

Input values

This table shows the values that are included in the request:

Value	Description
Company	Company number
Operator	Operator initials
Warehouse	Warehouse
VoidFlag	Yes or no value that indicates if the container should be unshipped
TrackerID	Tracker number
PackageNumber	The format for the package number includes these values from OEEHP, separated by hyphens: • Transaction type • Order number • Order Suffix • Package number These examples represent the package numbers that are supported in this call: • Sales order: O11111111-22-333 • Value Add order: F11111111-22-333 • Warehouse Transfer: T11111111-22-333

Request example

```
{
  "request": {
   "companyNumber": 5000,
   "operatorInit": "win",
   "operatorPassword": "win",
   "integrationType": "TWL",
   "callToExecute": "UnShipContainer",
   "tInShipintegration": {
  "t-in-shipintegration": [
  {
  "FieldName": "Company",
  "FieldValue": "5000"
   },
```

```
 {
"FieldName": "Operator",
"FieldValue": "win"
 },
 {
"FieldName": "Warehouse",
"FieldValue": "twl"
 },
 {
"FieldName": "VoidFlag",
"FieldValue": "yes"
 },
 {
"FieldName": "TrackerID",
"FieldValue": "9001001150002"
 },
 {
"FieldName": "PackageNumber",
"FieldValue": "o00014750-00-001"
 }
}
 },
 "tInfieldvalue": {
"t-infieldvalue": []
 }
}
}
```

Output values

This table shows the values that can be returned in the response:

Value	Description
Company	Company number
cErrorMessage	Error message from the shipping application
WarningMessage	Warning message from the shipping application

Response example

```
{
    "response": {
    "cErrorMessage": "",
    "tOutShipintegration": {
    "t-out-shipintegration": [
    {
    "level": "",
    "seqno": 1,
    "fieldname": "Company",
    "fieldvalue": "5000"
    },
    {
    "level": "",
    "seqno": 2,
    "fieldname": "WarningMessage",
    "fieldvalue": "void successful, order=o00014750-00 pkgno=1
cartonlist=c000147500"
    }
    }
    },
    "tOutfieldvalue": {
    "t-outfieldvalue": []
    }
    }
}
```

GetShippingRequestByPackage

This call gets detailed information about shipping requests that are submitted in **Sales Shipping Request Entry**. These requests are not associated with an order.

The difference between this call and the GetShippingRequestByRequest is the input value for package number. Use only one request call when you set up your shipping interface.

Input values

This table shows the values that are included in the request:

Value	Description
Company	Company number.
Operator	Operator initials.
PackageNumber	Package ID number. The format is transaction type-shipping request number-package number from OEEHP. For example, S1111111-333.

Request example

```
{
  "request": {
   "companyNumber": 5000,
   "operatorInit": "win",
   "operatorPassword": "win",
   "integrationType": "TWL",
   "callToExecute": "GetShippingRequestByPackage",
   "tInShipintegration": {
   "t-in-shipintegration": [
    {
    "FieldName": "Company",
    "FieldValue": "5000"
    },
    {
    "FieldName": "Operator",
    "FieldValue": "win"
    },
    {
    "FieldName": "Warehouse",
    "FieldValue": "twl"
    },
    {
    "FieldName": "PackageNumber",
    "FieldValue": "S0000069-001"
```

```
 }
 }
 },
 "tInfieldvalue": {
"t-infieldvalue": []
 }
 }
 }
```

Output values

This table shows the values that can be returned in the response:

Value	Description
Company	Company number.
Carrrier	Carrier.
PackageNumber	Package ID number. The format is transaction type-shipping request number-package number from OEEHP. For example, S1111111-333.
Shipto1	Name.
Shipto2	First line of the ship to address.
Shipto3	Second line of the ship to address.
Shipto4	Third line of the ship to address.
Shipto5	City and state or province.
ShiptoZipCode	Zip code.
ShippingInstructions	Shipping instructions.
StageCode	3 if shipped, otherwise 2.
PhoneNumber	Phone number.
LabelData	Multi-use value that provides order numbers, reference information, and the package id in this format: ~~pono=<*PoNo*>~~Refer=<*reference*>~~orderno=<*order #*>~~pkgid="<*Package ID*>
cErrorMessage	Error message from the shipping application.
WarningMessage	Warning message from the shipping application.

Response example

```
{
  "response": {
  "cErrorMessage": "",
  "tOutShipintegration": {
  "t-out-shipintegration": [
  {
  "level": "",
  "seqno": 1,
  "fieldname": "Company",
  "fieldvalue": "5000"
  },
  {
  "level": "",
  "seqno": 2,
  "fieldname": "Carrier",
  "fieldvalue": "fedx"
  },
  {
  "level": "",
  "seqno": 3,
  "fieldname": "LabelData",
  "fieldvalue": "~pono=~refer=~orderno=~pkgid=S0000069-001"
  },
  {
  "level": "",
  "seqno": 4,
  "fieldname": "PackageNumber",
  "fieldvalue": "S0000069-001"
  },
  {
  "level": "",
  "seqno": 5,
  "fieldname": "PhoneNumber",
  "fieldvalue": ""
  },
```

```json
{
"level": "",
"seqno": 6,
"fieldname": "ShippingInstructions",
"fieldvalue": "SR 008 Brown Bag Shipping"
},
{
"level": "",
"seqno": 7,
"fieldname": "Shipto1",
"fieldvalue": "SR008"
},
{
"level": "",
"seqno": 8,
"fieldname": "Shipto2",
"fieldvalue": "5555 Tech Center Dr"
},
{
"level": "",
"seqno": 9,
"fieldname": "Shipto3",
"fieldvalue": "Suite 308"
},
{
"level": "",
"seqno": 10,
"fieldname": "Shipto4",
"fieldvalue": "Colorado Springs CO"
},
{
"level": "",
"seqno": 11,
"fieldname": "Shipto5",
"fieldvalue": ""
},
{
```

```
"level": "",

"seqno": 12,

"fieldname": "ShiptoZipCode",

"fieldvalue": "80919"

},

{

"level": "",

"seqno": 13,

"fieldname": "StageCode",

"fieldvalue": "2"

},

{

"level": "",

"seqno": 14,

"fieldname": "Warehouse",

"fieldvalue": "twl"

},

{

"level": "",

"seqno": 15,

"fieldname": "WarningMessage",

"fieldvalue": ""

}

}

},

"tOutfieldvalue": {

"t-outfieldvalue": []

}

}

}
```

GetShippingRequestByRequest

This call gets detailed information about shipping requests that are submitted in **Sales Shipping Request Entry**. These requests are not associated with an order.

The difference between this call and the GetShippingRequestByPackage is the input values for package number. Use only one request call when you set up your shipping interface.

Input values

This table shows the values that are included in the request:

Value	Description
Company	Company number
Operator	Operator initials
Package Number	Request number from **Sales Shipping Request Entry**

Request example

```
{
  "request": {
    "companyNumber": 5000,
    "operatorInit": "win",
    "operatorPassword": "win",
    "integrationType": "TWL",
    "callToExecute": "GetShippingRequestByRequest",
    "tInShipintegration": {
      "t-in-shipintegration": [
        {
          "FieldName": "Company",
          "FieldValue": "5000"
        },
        {
          "FieldName": "Operator",
          "FieldValue": "win"
        },
        {
          "FieldName": "Warehouse",
          "FieldValue": "twl"
        },
```

```
 {
"FieldName": "PackageNumber",
"FieldValue": "69"
 }
}
 },
 "tInfieldvalue": {
"t-infieldvalue": []
 }
}
}
```

Output values

The output tags for GetShippingRequestByRequest are the same as the output tags for GetShippingRequestByPackage.

Response example

The response for GetShippingRequestByRequest is the same as the response for GetShippingRequestByPackage.

ShipShippingRequest

This call creates a package record in **Sales Shipping Request Entry** and marks it as shipped.

Input values

This table shows the values that are included in the request:

Value	Description
Company	Company number.
Operator	Operator initials.
PackageNumber	Package ID number. The format is transaction type-shipping request number-package number from OEEHP. For example, S1111111-333.
CODAdditionalAmount	Extra COD amount from **Customer Cash on Delivery Addon Setup**.
Freight	Freight amount.
TrackerID	Tracker number.
Carrier	Carrier.
PrinterName	Printer name from a **SA Printer Setup** record. **Note:** A printer is assigned to the record, but the record is not printed.
ActualWeight	Actual weight.

Request example

```
{
  "request": {
   "companyNumber": 5000,
   "operatorInit": "win",
   "operatorPassword": "win",
   "integrationType": "TWL",
   "callToExecute": "ShipShippingRequest",
   "tInShipintegration": {
  "t-in-shipintegration": [
   {
  "FieldName": "Company",
  "FieldValue": "5000"
   },
   {
  "FieldName": "Operator",
  "FieldValue": "win"
   },
   {
  "FieldName": "PackageNumber",
```

```json
"FieldValue": "S0000068-001"
 },
 {
"FieldName": "CODAdditionalAmount",
"FieldValue": "1.13"
 },
 {
"FieldName": "Freight",
"FieldValue": "22.55"
 },
 {
"FieldName": "TrackerID",
"FieldValue": "Z345"
 },
 {
"FieldName": "Carrier",
"FieldValue": "ups"
 },
 {
"FieldName": "PrinterName",
"FieldValue": "Konica-south"
 },
 {
"FieldName": "ActualWeight",
"FieldValue": "2.37"
 }
}
 },
 "tInfieldvalue": {
"t-infieldvalue": []
 }
}
}
```

Output values

This table shows the values that can be returned in the response:

Value	Description
Company	Company number
cErrorMessage	Error message from the shipping application
WarningMessage	Warning message from the shipping application

Response example

```
{
  "response": {
  "cErrorMessage": "",
  "tOutShipintegration": {
  "t-out-shipintegration": [
  {
  "level": "",
  "seqno": 1,
  "fieldname": "Company",
  "fieldvalue": "5000"
  },
  {
  "level": "",
  "seqno": 2,
  "fieldname": "WarningMessage",
  "fieldvalue": ""
  }
  }
  },
  "tOutfieldvalue": {
  "t-outfieldvalue": []
  }
  }
}
```

Error response example

```
{

  "response": {

  "cErrorMessage": "Shipping Request Does Not Exist In OEER / PMES
(4728), TWL, ShipShippingRequest, PMES# S0000038-001",

  "tOutShipintegration": {

  "t-out-shipintegration": [

  {

  "level": "",

  "seqno": 1,

  "fieldname": "Company",

  "fieldvalue": "5000"

  }

  ]

  },

  "tOutfieldvalue": {

  "t-outfieldvalue": []

  }

  }

}
```