SAP S/4HANA 1809 FPS01 Fully-Activated Appliance: Transportation Management Demo Guide
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Document History

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<th>Revision</th>
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</tr>
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<tbody>
<tr>
<td>1.0</td>
<td>&lt;2019-04-15&gt;</td>
<td>Release for customer</td>
</tr>
</tbody>
</table>
1 Where Can This Script Be Used?

This demo script has been written for usage with the SAP S/4HANA 1809 Feature Package Stack 01 (FPS01) Fully-Activated Appliance (in short “appliance” in this script), hence you will need such an appliance to make use of this guide.

The appliance can be brought up in two ways, and the demo scenario in this script is largely the same for both:

1. Via SAP Cloud Appliance Library (hosted on cloud providers)
   - You need a cloud provider account at AWS, MS Azure, or GCP. With this, you can deploy the appliance within 1-2 hours from https://cal.sap.com > Solutions > SAP S/4HANA 1809 FPS01 Fully-Activated Appliance.

2. Via installing it on your own on-premise hardware.
   - You need to provide your own hardware, and order & install the appliance as explained in SAP Note 2041140.

If you are new to the SAP S/4HANA Fully-Activated Appliance, introductory information can be found here: https://blogs.sap.com/2018/12/12/sap-s4hana-fully-activated-appliance-create-your-sap-s4hana-1809-system-in-a-fraction-of-the-usual-setup-time/

Important:
Before you start your demo, please read SAP S/4HANA Fully-Activated Appliance: Demo Scripts for information about necessary preparations, especially any post-deployment steps to ensure the full functionality of your appliance.

Besides this, you will also find links to all demo scripts on this page.
2 Demo Story: Basic Outbound Transportation Management

S/4HANA 1809 provides embedded ‘Basic’ SAP Transportation Management (TM) supporting the management and tracking of inbound and outbound transportation as well as the stock transport between a company’s facilities. With the Basic TM process flows, it is not necessary to use the SAP SCM Optimizer. If a user has SCM Optimizer licenses and wants to add this to the S/4HANA Fully-Activated Trial landscape, it may be possible with appropriate technical skills and by using documentation for the SAP Best Practices for Transportation management for configuration steps and test scripts.

In the S/4HANA Fully-Activated Trial Appliance, processes that have been activated are the SAP Best Practices for Transportation Management for scope items for:

- Outbound Transportation (Basic)
- Inbound Transportation (Basic)
- Stock-transport Orders (Basic)

Step-by-step test scripts can be found attached to the SAP Note 2535942 for both Basic and full-SAP TM scope items.

2.1 Demo Flow: Outbound Transportation

In this demo story, you will get an introduction to the process steps in basic outbound transportation management with one customer order and shipment. More complex options with multiple customers, locations, carriers and ‘tours’ are available in the SAP Best Practices test script for Outbound Transportation (Basic).

This demo story includes the following steps:

1. Creating a sales order
2. Creating outbound delivery
3. Planning Freight
4. Carrier Selection and subcontracting
5. Execute picking
6. Loading steps
7. Post Goods Issue
8. Post truck status
9. Record proof of delivery & freight settlement
10. Create customer billing document
11. Create carrier invoice

2.2 Transportation Network and Organizational Structure

Below find a pictorial diagram of the TM relevant network and organizational structure that is used in the TM processes for this demo and the SAP Best Practices.
2.3 Preparation Step (optional): Check and adjust inventory

To run this demo, an adequate quantity of inventory for material item TG11 is needed. We ship the S/4HANA Fully-Activated Trial Appliance with adequate inventory of TG11, however it’s possible that the inventory has been depleted by other process testing/activities, so it is a good idea to check the stock levels first.

<table>
<thead>
<tr>
<th>What to Do</th>
<th>What You Will See</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open the Fiori Launchpad. <strong>User:</strong> S4H_TM_DEM <strong>Password:</strong> Welcome1</td>
<td><img src="image" alt="Post Goods Receipt without Reference" /></td>
</tr>
<tr>
<td>Navigate to and launch the Post Goods Receipt without Reference app. Make the following entries and choose the Post button: <strong>Material:</strong> TG11 <strong>Quantity:</strong> 100 (or as needed – see Note) <strong>Quantity/Unit:</strong> PC <strong>Plant:</strong> 1710 Plant 1 US <strong>Storage Location:</strong> 171a Std. Storage 1 <strong>Stock Type:</strong> Unrestricted use</td>
<td><img src="image" alt="Select Storage Location" /></td>
</tr>
</tbody>
</table>

**Note:**

To check the current stock level, after entering the storage Location, 171A, you can select this field and pop-up will open and show you the current inventory levels in each stock type (Unrestricted, Quality, Blocked).

Adjust the quantity received to ensure you have adequate inventory in Unrestricted stock for your test scenario.

2.4 Create Sales Order

The steps below are based on SAP Best Practices test script for BD9_US – Sell From Stock, for only one customer and one sales order for a more simplified demo. You may create additional sales orders for additional customers and their associated transportation carriers by referring to the above Network Diagram and using material TG11.
### What to Do
Open the Fiori Launchpad.

**User:** S4H_TM_DEM  
**Password:** Welcome1  

Navigate to and launch the Manage Sales Orders app.

In the Manage Sales Orders view, choose the **Create Sales Orders** button.

### What You Will See

![Manage Sales Orders](image)

**Search**

**Overall Status:**

**Document Date:**

**Sales Orders (0)**  

**Standard**  

**Create Sales Order**

|  |  
|---|---|
| Sales Order: | Sold-To Party: |
| Document Date: |  |

![Create Sales Order](image)

**Order Type:** OR  
**Sales Organization:** 1710  
**Distribution Channel:** 10  
**Division:** 00  

Choose the **Continue** button.

![Create Standard Order: Overview](image)

**Sold-to Party:** 17186001  
**Ship-to Party:** 17186001  
**Customer Reference:** <sample PO number>  
**Customer Ref. Date:** <today’s date>  
**Req. Delivery Date:** <Today + 5 business days>  
**Material Number:** TG11  
**Quantity:** 50
If the Standard Order: Availability Control field appears, confirm the proposed quantity and date by choosing the green check mark (√).

In the Create Standard Order: Overview view, choose Save and note the Sales Order document number.

### 2.5 Create Delivery

This step is initiated using steps from the SAP Best Practices test script, BD9-Sell From Stock.

**What to Do**

Open the Fiori Launchpad.

User: S4H_TM_DEM  
Password: Welcome1  

Navigate to Outbound Deliveries section and open Create Outbound Deliveries from Sales Orders app.

In the Create Outbound Deliveries view, make the following entries and choose Go:  
Shipping point: 1710  
Planned Creation Date: <Delivery selection date>  
SD Document: <Sales order number>  

**What You Will See**

[Image of the Create Outbound Deliveries screen]
Choose your sales order and choose Create Deliveries. Check the log via Display Log button and record the Delivery Document number.

Note – If you receive an error creating the delivery due to date, you can process the delivery via transaction code VA02 from the SAP Logon.

### 2.6 Plan Freight

In this step, the freight order will be created and planned.

**What to Do**

Open the Fiori Launchpad.

*User: S4H_TM_DEM*

*Password: Welcome1*

Navigate to the Planning section, select Freight Units Worklist app.

Select query Delivery-Based Freight Units – unplanned.

Determine Transportation Requests:

- Check Freight Unit (FU) number assigned to your delivery in column ‘Document’
- Write down the FU number

Close the query.
<table>
<thead>
<tr>
<th>What to Do</th>
<th>What You Will See</th>
</tr>
</thead>
<tbody>
<tr>
<td>Create Capacity Document:</td>
<td></td>
</tr>
<tr>
<td>In the Freight Order</td>
<td>Create Capacity</td>
</tr>
<tr>
<td>Management section, select</td>
<td>Freight Order</td>
</tr>
<tr>
<td>Create Road Freight Order.</td>
<td></td>
</tr>
</tbody>
</table>

**Freight Order Management**

<table>
<thead>
<tr>
<th>Worklist</th>
<th>Worklist</th>
<th>Worklist</th>
<th>Worklist</th>
<th>Overview Page</th>
<th>Overview Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freight Orders</td>
<td>Freight Bookings</td>
<td>Service Orders</td>
<td>Tendering</td>
<td>Freight Order Quantity Analysis</td>
<td>Freight Order Execution</td>
</tr>
</tbody>
</table>

**Create Road Freight Order**

- Freight Order Type: YRO1
- Continue:
- Note: It’s the letter “O” not zero.

**Choose the Items tab.**
- Choose Insert and choose Insert FUs based on Freight Unit ID.
- In the Insert FUs Based on Freight Unit ID dialog box, enter all FU numbers belonging to one tour (see transportation network) and choose OK.

**Add tab Overview to your layout.**
- Press Add → Select entry Overview → Press Select → Press Save.

**Note:**
- If you had multiple shipments, by navigating to the Overview tab, you could change the sequence of the stages according to the transportation network using buttons Move Up and Move Down.
## 2.7 Carrier Selection and Subcontracting

**What to Do**

Open the Fiori Launchpad.

**User:** S4H_TM_DEM  
**Password:** Welcome1

Navigate to the Freight Order Management section and choose the Freight Orders Worklist app.

Select query **Road Freight Orders – for subcontracting.**

Open your Freight Order by choosing the Document link.

**What You Will See**

A new window/tab displays but do not close the previous one.

**NOTE:** During this and subsequent steps, if you don’t see your FO document in the demo step’s Freight Order Worklist Query:

- Choose the Change Query link on the right side of the table.
- Change a filter in the query filter options to trigger the refresh. For example, scroll to the bottom of the resulting query filters, and enter **501** in the Max.No.of Records field.
- Then choose Apply Changes.

Another option is to further process the Freight Order from the All Road Freight Orders query.
Navigate to General Data tab and make the following entries:

**Means of Transport:** 0001
**Carrier:** 17386001
(assigned to Tour 1 where your customer 17186001 is located)

**Purchasing Organization:** PO_US_1710

Choose the Subcontracting dropdown button and choose Send to Carrier.

Note: Confirm any message about sending the information to the carrier if it appears.
Choose Save.

Choose the Subcontracting dropdown button and choose Set to Confirmed by Carrier.
Choose Save.

2.8 Execute Picking

The below steps refer to SAP Best Practices process step Execute Picking in scope item BD9 - Sell From Stock.
What to Do

Open the Fiori Launchpad.

**User:** S4H_TM_DEM

**Password:** Welcome1

Navigate to the **Outbound Deliveries** section and choose the **Pick Outbound Delivery** app.

---

**Make the following entries and choose **Execute**:**

Shipping point: **1710**

Only Picking without WM: **X**

---

From **Day’s Workload for Picking**, select your delivery number, and choose **Change Outbound Deliveries**.

---

Select the line item.

Enter Picked Quantity.

**Note:** This should equal the **Delivery Qty** in **Picked Qty** field for picking related item(s).

---

Choose **Save**.

Use the back icon in the Fiori screen to return to your home screen.
2.9 Print Loading Instructions

What to Do

Open the Fiori Launchpad.

User: S4H_TM_DEM
Password: Welcome

Navigate to the Freight Order Management section and choose the Freight Orders Worklist app.

What You Will See

In the Execution field, choose the query Road Freight Orders – loading unplanned.

Choose the Freight Order by clicking the Document link.

Navigate to Subcontracting tab.

Enter Partner Reference Number per freight order (i.e. 47110816).
Navigate to the *Notes* tab.

Choose *Insert* to create a new item line in the table.

Choose the *Text Type Special Instructions* and make the following entry:

**Content:** *Multiple Stop load – Fragile cargo. Please handle with care*

Choose the *Execution Status* dropdown button and choose *Set to Ready for Transportation Execution*.

Choose *Save*.

Choose the (...) *More* button and choose *Output Management*.

**Note:** Depending on your window size, you may need to first choose the (...) *More* button – see screenshot for reference.
In the Output Management tab, choose the Shipping Manifest action status (Pre-Manifest). Choose Document Preview and print the Bill of Lading document.

Choose the Load Plan Status dropdown button and choose Set Load Plan to Planned.

Choose the Load Plan Status dropdown button and choose Set Load Plan to Finalized.

Choose Save and close the Edit Freight Order with Subcontracting window.
2.10 Load Freight

After the truck is loaded and the loading report is received from the warehouse staff, the respective status is set in the Freight Order.

<table>
<thead>
<tr>
<th>What to Do</th>
<th>What You Will See</th>
</tr>
</thead>
<tbody>
<tr>
<td>Switch back to the browser window with the Freight Orders - Worklist open. Or, open the Freight Orders Worklist app if not open. Select query Road Freight Orders – loading planned, not loaded in the Execution field. Open Freight Order by choosing the Document link.</td>
<td><img src="image1.png" alt="Image of Freight Orders - Worklist" /></td>
</tr>
<tr>
<td>Choose the Execution Status dropdown button and choose Set to Loaded.</td>
<td><img src="image2.png" alt="Image of Edit Freight Order with Subcontracting" /></td>
</tr>
<tr>
<td>Choose Save to save the freight order. Close the Edit Freight Order with Subcontracting window.</td>
<td><img src="image3.png" alt="Image of Freight Order" /></td>
</tr>
</tbody>
</table>
### 2.11 Print Transportation Documents

<table>
<thead>
<tr>
<th>What to Do</th>
<th>What You Will See</th>
</tr>
</thead>
<tbody>
<tr>
<td>Switch back to the browser window with the <strong>Freight Orders - Worklist</strong> open. Or, open the <strong>Freight Orders Worklist</strong> app if not open.</td>
<td><img src="image" alt="Freight Orders - Worklist" /></td>
</tr>
<tr>
<td>Select query <strong>Road Freight Orders – loaded</strong> in the <strong>Execution</strong> field.</td>
<td><img src="image" alt="Road Freight Orders - loaded" /></td>
</tr>
<tr>
<td>Open Freight Order by choosing the <strong>Document</strong> link.</td>
<td><img src="image" alt="Road Freight Orders - loaded" /></td>
</tr>
<tr>
<td>Navigate to the Notes tab. Press Insert to create an item line. Choose the Additional Shipper Information in the Text Type category. Make the following entry and choose <strong>Save</strong>: <strong>Content</strong>: <strong>Topmost floor loaded loose</strong></td>
<td><img src="image" alt="Road Freight Orders - loaded" /></td>
</tr>
<tr>
<td>Choose the (...) <strong>More</strong> button and choose <strong>Output Management</strong>. Note: Depending on your window size, you may need to first choose the (...) <strong>More</strong> button – see screenshot for reference.</td>
<td><img src="image" alt="Road Freight Orders - loaded" /></td>
</tr>
<tr>
<td>What to Do</td>
<td>What You Will See</td>
</tr>
<tr>
<td>------------</td>
<td>------------------</td>
</tr>
<tr>
<td>Choose <strong>Bill of Lading VICS US</strong> in the Action Status category.</td>
<td></td>
</tr>
<tr>
<td>Choose <strong>Document Preview</strong> to preview and print <strong>Bill of Lading</strong>.</td>
<td></td>
</tr>
<tr>
<td>Choose <strong>Shipping Manifest</strong>.</td>
<td></td>
</tr>
<tr>
<td>Select <strong>Document Preview</strong> to preview and print <strong>Shipping Manifest</strong>.</td>
<td></td>
</tr>
<tr>
<td>Choose <strong>Save</strong>.</td>
<td></td>
</tr>
</tbody>
</table>

### 2.12 Post Goods Issue

<table>
<thead>
<tr>
<th>What to Do</th>
<th>What You Will See</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open the Fiori Launchpad. <strong>User:</strong> S4H_TM_DEM <strong>Password:</strong> Welcome1</td>
<td></td>
</tr>
<tr>
<td>In the Outbound Delivery Processing section, choose the <strong>My Outbound Delivery Monitor</strong> app.</td>
<td></td>
</tr>
<tr>
<td>What to Do</td>
<td>What You Will See</td>
</tr>
<tr>
<td>------------</td>
<td>-------------------</td>
</tr>
<tr>
<td>Choose <em>For Goods Issue</em>. Make the following entries and choose <strong>Execute</strong>: <strong>Shipping Point/Receiving Pt</strong>: 1710 <strong>Planned Gds Mvmt Date</strong>: &lt;verify the correct range&gt;</td>
<td><img src="image1" alt="Diagram of Outbound Deliveries for Goods Issue" /></td>
</tr>
</tbody>
</table>

Choose the relevant delivery and choose **Post Goods Issue**. Select today's date from the dialog box and choose **Continue**.

Note: If your delivery document does not appear in the list, you can also post Goods Issue using the Change Outbound Delivery app, or the Pick Outbound Delivery app instead.

Choose **Continue**.

2.13 Departure of Truck

<table>
<thead>
<tr>
<th>What to Do</th>
<th>What You Will See</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open the Fiori Launchpad. <strong>User</strong>: S4H_TM DEM <strong>Password</strong>: Welcome1 In the Freight Order Management section, choose the Freight Orders Worklist app.</td>
<td><img src="image2" alt="Diagram of Freight Order Management" /></td>
</tr>
</tbody>
</table>
What to Do | What You Will See
---|---
Choose the query *Road Freight Orders – truck departure*. | ![Freight Orders - Worklist](image1)

**Active Queries**

- **Subcontracting**: Road Freight Orders - for subcontracting (4)
- **Freight Orders**:
  - All Road Freight Orders (11)
  - Road Freight Orders - loaded (1)
  - Road Freight Orders – to be loaded at vendor (0)
  - *Road Freight Orders – truck departure (1)*
  - Road Freight Orders – to be loaded at supplier (0)
- **Execution**:
  - Road Freight Orders - loading planned, not loaded (1)
  - Road Freight Orders - loading unplaned (5)
  - Road Freight Orders - loading planned, not loaded (1)
  - Road Freight Orders - loading unplaned (5)

![Freight Orders - Worklist](image2)

**Open the freight order by choosing the Document link.**

**Active Queries**

- **Subcontracting**: Road Freight Orders - for subcontracting (4)
- **Freight Orders**:
  - All Road Freight Orders (11)
  - Road Freight Orders - loaded (1)
  - Road Freight Orders – to be loaded at vendor (0)
    - *Road Freight Orders – truck departure (1)*
  - Road Freight Orders – to be loaded at supplier (0)
- **Execution**:
  - Road Freight Orders - loading planned, not loaded (1)
  - Road Freight Orders - loading unplaned (5)
  - Road Freight Orders - loading planned, not loaded (1)
  - Road Freight Orders - loading unplaned (5)

**After the Check-Out of the truck at the supplying plant, choose the Execution Status dropdown button and choose Set to Departed.**

**Choose the Execution tab and check created events.**

**Choose Save.**
## 2.14 Arrival at Customer

<table>
<thead>
<tr>
<th>What to Do</th>
<th>What You Will See</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open the Fiori Launchpad. <strong>User</strong>: S4H_TM_DEM <strong>Password</strong>: Welcome1</td>
<td><strong>What You Will See</strong></td>
</tr>
<tr>
<td>In the Freight Order Management section, choose the Freight Orders Worklist app.</td>
<td></td>
</tr>
</tbody>
</table>

Choose query **Road Freight Orders – truck arrival** in the **Execution** field.

Open Freight Order by choosing the **Document** link.

Choose the **Execution Status** dropdown button and choose **Set to Arrived**.

Choose **Save**.
Choose the **Execution Status** dropdown button and choose **Set to Unloaded**.

After the Check-Out of the truck at the customer location, choose the **Execution Status** dropdown button and choose **Set to Departed**.

Choose the **Execution Status** dropdown button and choose **Set to Unloaded**.

Navigate to the **Execution** tab.

1. Choose **Insert Event**.
2. Choose Event **Last Departure**.
3. For Location, choose **SP_1710**.

Choose Save.

### 2.15 Proof of Delivery

In this activity, you record the quantities as confirmed by the respective customer after physical arrival of goods delivered. Thus documenting the right quantities that should become subject to billing to this customer.

(This is only possible for Outbound Deliveries if the customer master data have been maintained in a way that this customer is "POD-relevant" (on sales area level)).
What to Do

Open the Fiori Launchpad.

User: S4H_TM_DEM
Password: Welcome1

In the Outbound Delivery Processing group, open POD - Change Outbound Delivery

What You Will See

In the Proof of Delivery – Change Outbound Delivery view, make the following entry and choose Continue:

Outbound Delivery: <your Outbound Delivery Document Number>

Choose the Confirm Proof of Delivery button.

Before:

After:

Choose Save.
2.16 Create Billing Document

In this activity, the user with the role Billing Clerk (in our Demo Scenario S4H_TM_DEM) creates billing documents based on billing due list items.

What to Do

<table>
<thead>
<tr>
<th>What to Do</th>
<th>What You Will See</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open the Fiori Launchpad.</td>
<td></td>
</tr>
<tr>
<td><strong>User:</strong> S4H_TM_DEM</td>
<td></td>
</tr>
<tr>
<td><strong>Password:</strong> Welcome1</td>
<td></td>
</tr>
<tr>
<td>In the Billing Documents section, choose the Create Billing Documents app.</td>
<td></td>
</tr>
</tbody>
</table>

Choose Billing Settings in the bottom bar, you can make the following settings as below:

- Set billing date and type before billing: **ON**
- Create separate billing document for each item of billing due list: **OFF**
- Automatically post billing documents: **ON**
- Display billing documents after creation: **ON**

Choose the row of your delivery document and choose the Create button.
What to Do | What You Will See
--- | ---
In the Create Billing Documents dialog box, make the following entries and choose **OK**:  
Billing Type: **F2 Invoice (F2)**  
Billing Date: for example, current date  
![Create Billing Documents dialog box](image)

In the Billing Document view, choose **Save**.  
**Note:**  
The draft version billing document with ID Sxxxxxxx turns into a saved billing document with ID xxxxxxxx, make a note of the billing document number: __________.  
If a message regarding tax jurisdiction code appears, disregard it.

2.17 Freight Settlement

During the following steps, it is important to log into the system with the following user, S4H_TM_CK. These steps should not be processed with the prior user id due to role assignments.

What to Do | What You Will See
--- | ---
Open the Fiori Launchpad.  
**User:** S4H_TM_CK  
**Password:** Welcome1  
In the Freight Settlement section, choose the Freight Orders for Settlement Worklist app.  
![Fiori Launchpad](image)
## What to Do

Choose **Refresh** and choose the corresponding **Document** link of your freight order.

Choose the (...) **More** button. From the dropdown box, choose **Charges/Settlement** and choose **Calculate Charges**.

**Note:** Depending on your window size, you may need to first choose the (...) **More** button – see screen shot for reference.

Navigate to the **Charges** tab.

Choose **Save**.

Choose the (...) **More** button. From the dropdown box, choose **Charges/Settlement** and choose **Create Freight Settlement Document**.

**Note:** Depending on your window size, you may need to first choose the (...) **More** button – see screen shot for reference.
What to Do

Verify the Freight Settlement document and choose Save All.

Choose the corresponding **Freight Settlement Document** entry.
Choose **Post**.

Note:
You can check details of created documents (Purchase Order, Service Entry Sheet) by navigating to the Document Flow tab and opening the mentioned documents.

Go back to the **Home** dashboard.
In the **Freight Settlement** section, choose **Display Cost Distribution Documents** Transportation Management.

Make the following entry and choose **Execute**: **Freight Settlement Document: <Document number>**
What to Do

Choose the item line to open the freight cost allocation document.

What You Will See

In the **Basic Data** tab, choose the corresponding **Settlement Document Item**.

Select items and press **Go to → Item → Item Details** or choose the **Item Details** button in the **Settlement Document Items** area.

Navigate to **Basic Data B** tab and check reference documents (For example, sales order, delivery, freight order and freight settlement document).

Note:

Note the Settlement Amount, you will need this in a following step.
2.18 Invoice Verification

<table>
<thead>
<tr>
<th>What to Do</th>
<th>What You Will See</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open the Fiori Launchpad.</td>
<td>If this app does not appear in your Fiori Launchpad, you can find it by searching in the App Finder under SAP Menu with the search term Create Supplier Invoice. Add this tile to your Launch Pad, and launch the app</td>
</tr>
<tr>
<td>User: S4H_TM_CK</td>
<td></td>
</tr>
<tr>
<td>Password: Welcome1</td>
<td></td>
</tr>
<tr>
<td>In the Supplier Invoice Processing section, choose the Create Supplier Invoice Advanced app.</td>
<td></td>
</tr>
<tr>
<td>Make the following entry and choose Continue:</td>
<td></td>
</tr>
<tr>
<td>Company Code: 1710</td>
<td></td>
</tr>
<tr>
<td>In Basic Data tab, make the following entries:</td>
<td></td>
</tr>
<tr>
<td>Invoice Date: &lt;today’s date&gt;</td>
<td></td>
</tr>
<tr>
<td>Reference: &lt;Invoice Number of the carrier&gt; For example, 47110815</td>
<td></td>
</tr>
<tr>
<td>Posting Date: &lt;today’s date&gt;</td>
<td></td>
</tr>
<tr>
<td>Amount: Gross Amount according to the carrier invoice (Total Amount in Document Currency in Freight Settlement Document + Tax (if setup to calculate any))</td>
<td></td>
</tr>
<tr>
<td>Currency: USD</td>
<td></td>
</tr>
<tr>
<td>Calculate Tax: &lt;Select&gt;</td>
<td></td>
</tr>
<tr>
<td>Tax Code: i0 (A/P Sales Tax, exempt)</td>
<td></td>
</tr>
<tr>
<td>Tax code can be ‘i0’ to simplify the process.</td>
<td></td>
</tr>
</tbody>
</table>
### What to Do

Navigate to the **TM Ref.** tab

Select any entry from the dropdown (e.g. Freight Order) and enter the number of the selected object (e.g. Freight Order Number) in the input field.

In the **Layout** field, choose Land Freight. Choose **Enter**.

Choose the Invoice Items you want to create invoice for.

Check the Amount, the Quantity, the Tax Code.

Navigate to the **TM Ref.** tab and choose any entry from the dropdown.

Choose the **More Allocation Criteria** button next to the input field.

Choose the **Adopt** button.

Choose the **Simulate** button.

If applicable, check data in pop-up screen Simulate Document (e.g. G/L Accounts, Cost Center).

Press the **Close** icon.
What to Do | What You Will See
---|---
Check field value in field **Balance**. | ![SAP screen capture](image1)
In the **TM Ref.** tab, choose the **Reference Document (TM)** button in column **Details** to display corresponding freight settlement document. | ![SAP screen capture](image2)
**Note:** If prompted, log in to the resulting screen and be sure to not end all other sessions. | ![SAP screen capture](image3)
Close the **Display RF Freight Settlement** window and return to the prior **Enter Incoming Invoice** window. | ![SAP screen capture](image4)
Choose the **Post** button. | ![SAP screen capture](image5)
Go back to your Home dashboard.

In the Freight Settlement section, choose the Freight Settlements Worklist app.

In the Freight Settlement Documents field, choose All Freight Settlement Documents.

Switch the Page Settings to Detailed View.

Navigate to the Document Flow tab.

Note that the Invoice Document has been allocated to the Freight Settlement.

2.19 Outbound TM (Basic) Demo Story - Summary

This demo story provided a glimpse of some of the capabilities of embedded transportation management functions in S/4HANA. For a guided test script which includes more of the demo customers, carriers, route/tours and functions, please see the SAP Best Practices for Transportation Management scope item documents mentioned in the introduction.

The SAP S/4HANA Fully Activated Trial appliance has been activated with all Basic scope items, and all demo data used by the associated test scripts has been created to enable broader exploration of the capabilities.