



TRANSPORT MANAGEMENT SYSTEM (TMS) DISTRIBUTION CENTERS

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1 Introduction

Welcome to the FLSmith Transport Management System. The system is an Oracle standard cloud solution which enables the FLSmith Distribution Centres easily to create correct packing lists and in the same time ensure that the packing lists are sent and immediately received by FLSmith.

The purpose with this user guide is to explain how to access and use the system.

Further it shall be mentioned that FLSmith is currently operating in several different ERP systems, but this Transport Management System will handle all orders, despite the different ERP system.

The following FLS instructions in English language are available in PDF-format in our web page www.flsmidth.com

- Instr. 28031, Handling Orders from FLS
- Instr. 520530, General Workshop Instruction
- Instr. 12951-08-3.1, Packing and packaging of goods for FLSmith

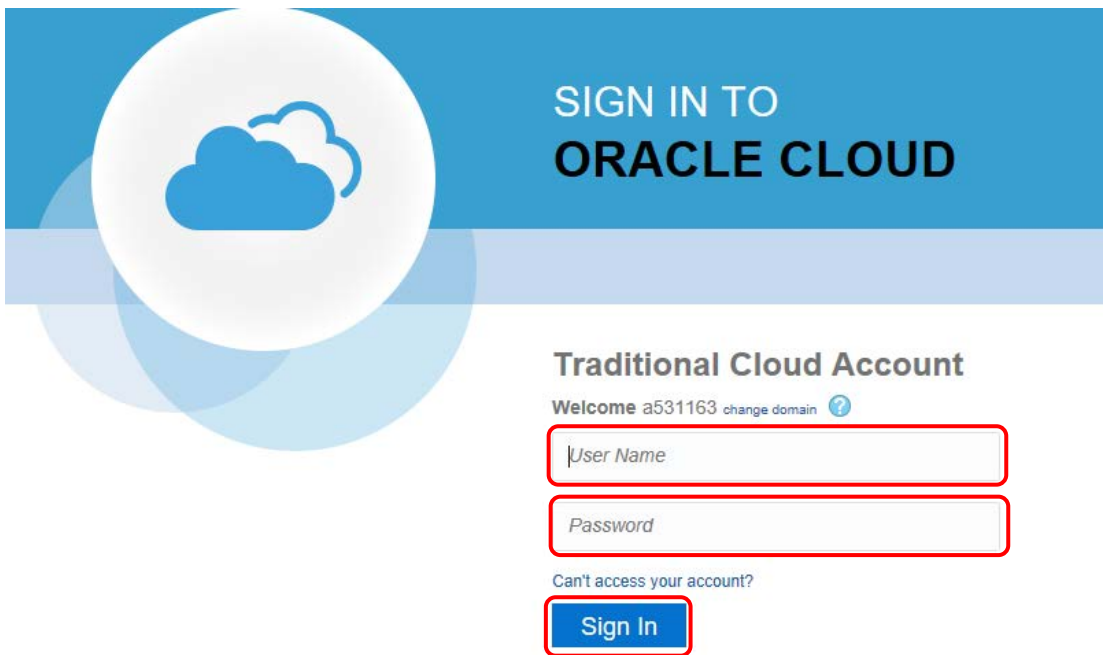
2 Step by Step User Guide

2.1 Log In

The system is accessed by following web-link:


<https://otmgtm-a531163.otm.em2.oraclecloud.com>

In order to log in, the user must enter *user name* and *password* and then click on the *Sign In* button.



**SIGN IN TO
ORACLE CLOUD**

Traditional Cloud Account

Welcome a531163 [change domain](#) 

[Can't access your account?](#)

It is possible for one Vendor to have multiple users.

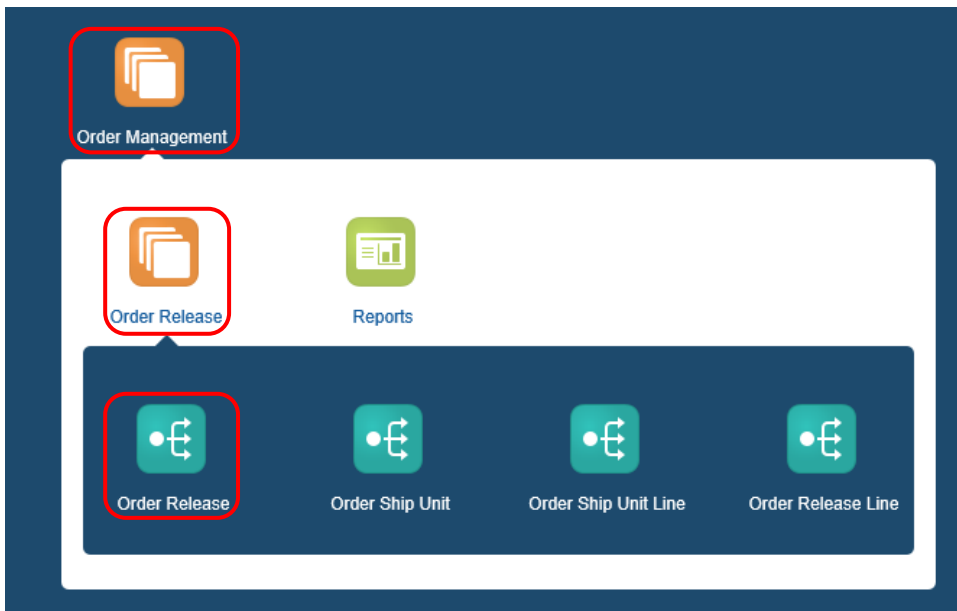
Please contact Mr. Peter Ronæs Dreyer or Mr. Flemming Nielsen for User names and Passwords.

2.2 Create a Ship Unit

As part of FLS Transport Management System the Distribution Center will be able to see the order lines as soon as the order is created in the FLSmidth ERP system. You can see all orders, but only edit the once relevant for the Distribution Center.

The request for packing from FLSmidth will be sent via email.

Navigation: Order Management → Order Release → Order Release



Enter the FLSmidth sales order number and click on the *Search* button.

Order Release Finder

Order Release | Release Lines | Scheduling | Locations | Order Base | Status | General | Advanced | Audit

Order Number <input type="text"/> <input type="button" value="Search"/> <input type="button" value="Reset"/> <input type="button" value="Add"/> Begins With <input type="button" value="v"/>	Track & Trace Number <input type="text"/> Begins With <input type="button" value="v"/>
Incoterm <input type="text"/> <input type="button" value="Search"/> <input type="button" value="Reset"/> <input type="button" value="Add"/> Begins With <input type="button" value="v"/>	Customer Name <input type="text"/> Begins With <input type="button" value="v"/>
Order Release ID <input type="text"/> Begins With <input type="button" value="v"/>	Vendor Name <input type="text"/> Begins With <input type="button" value="v"/>
Order Release Reference Number Qualifier CANCEL_DATE <input type="button" value="v"/> FREIGHT_COST_TYPE <input type="button" value="v"/>	Country Of Origin <input type="text"/> Begins With <input type="button" value="v"/>
Order Release Reference Number <input type="text"/> Begins With <input type="button" value="v"/>	Shipper Name <input type="text"/> Begins With <input type="button" value="v"/>

Favorites
 Yes No Both

Saved Query:

To choose a specific order, click on the ID hyperlink, which opens the order base.

Order Release Total Found: 1

Actions	ID	Indicator	Order Number	Shipment Type
<input checked="" type="checkbox"/>	FLS/EUR.1802596-001	●	1802596	IN DIRECT

Enter the received date

[Order Release Result](#) > Order Release

Order Release ☆ 1 of 1 Finished Actions

Order Release Ship Unit Line Item Remarks

Order Release ID 1802397-001 Order Base ID Source Location ID NEFAB DK Destination Location ID 501688-3003

FLS Additional Details

Track & Trace Number OTM-2018-100000000304	Due Date 2018-12-18 00:12 UTC
Country Of Origin DENMARK	Incoterms FCA
* Packing List Status INITIATED	Customer Name CARGOTEC SWEDEN AB
* Received Date	

To enter the new packing details, click on the TAB *Ship Unit*.

[Order Release Result](#) > Order Release

Order Release ☆

Order Release Ship Unit Line Item Remarks

Order Release ID 1802596-001 Order Base ID Source Location ID NEFAB DK

FLS Additional Details

Track & Trace Number OTM-2018-100000000550
Country Of Origin DENMARK
* Packing List Status ACCEPTED

Click on *New Ship Unit*, to create the actual ship unit.

[Order Release Result](#) > Order Release

Order Release ☆

Order Release Ship Unit Line Item Remarks

Order Release ID 1802397-001 Order Base ID Source Location ID NEFAB DK

ID	Track & Trace Number	Country Of Origin	Due Date	Hazardous	Tran
New Ship Unit					

Top Line Item

Enter the information about the ship unit – all the mandatory fields are marked with a red *

[Order Release Result](#) > Order Release

Ship Unit

Ship Unit ID	* Transport Handling Unit	* Transport Handling Unit Count
Total Gross Weight	Total Gross Volume	Priority
* Gross Weight per Ship Unit	Gross Volume per Ship Unit	
* Length per Ship Unit	* Width per Ship Unit	* Height per Ship Unit
* Net Weight per Ship Unit		
Seal Numbers		

Go to the bottom of the page and add the lines into the ship unit. Click on the Save button to save the changes.

Select Line

	ID	Packaged Item ID	Total Package Count
<input checked="" type="checkbox"/>	7519	374470	

Add Lines

Top **Save** Cancel

Go to the TAB *Order release* to finalize the ship unit.

[Order Release Result](#) > Order Release

Order Release ☆

Order Release **Ship Unit** Line Item Remarks

Order Release ID 1802397-001 Order Base ID Source Location ID NEFAB DK Destination Loca

ID	Track & Trace Number	Country Of Origin	Due Date	Hazardous	Transport Handling Unit
15026	OTM-2018-100000000304	CARGOTEC SWEDEN AB	2018-12-14 00:12 UTC		PLYWOOD BOX

	Packaged Item ID	Total P
	DEFAULT	

New Ship Unit

Top Line Item

Change the status from *Initiated* to *Accepted*.

[Order Release Result](#) > Order Release

Order Release ☆

Order Release Ship Unit Line Item Remarks

Order Release ID 1802397-001 Order Base ID Source Location ID NEFAB DK

FLS Additional Details

Track & Trace Number
OTM-2018-100000000304

Country Of Origin
DENMARK

* Packing List Status
INITIATED

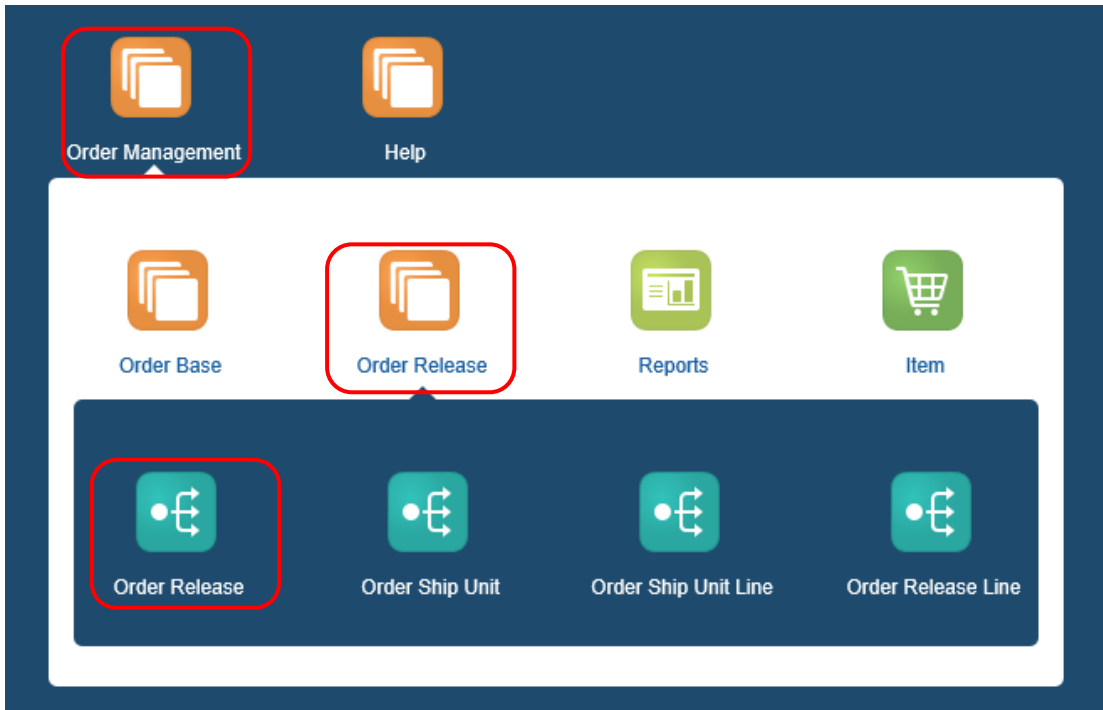
To complete the ship unit, click on the *Finished* button.

The packing list is now accepted and can no longer be edited.

If you need to edit, pls. contact the FLSmith Expediting department and request them to reject the packing list.

2.3 Stock location

Navigation: Order Management → Order Release → Order Release



Enter the sales order release or the Track & Trace number and click on the *Search* button.

A screenshot of the 'Order Release Finder' search interface. The interface has a dark blue header with the 'FLSMIDTH Transportation Management System' logo. Below the header, there are two tabs: 'Order Release' (selected) and 'Order Base'. The search form includes several fields: 'Track & Trace Number' (with a 'Begins With' dropdown), 'Due Date' (with a 'Same As' dropdown), 'Order Number' (with a 'Begins With' dropdown), 'Packing List Status' (a list with 'INITIATED', 'SUBMITTED', and 'ACCEPTED'), 'Order Release ID' (with a 'Begins With' dropdown), 'Early Pickup Date' (with a 'Same As' dropdown), 'Late Delivery Date' (with a 'Same As' dropdown), 'Order Release Reference Number Qualifier' (a list with 'AO' and 'BILL_TO'), and 'Order Release Reference Number' (with a 'Begins With' dropdown). At the bottom, there is a 'Search' button (highlighted with a red box), 'Sort Order', 'Actions', 'Export', 'Saved Query' (with a dropdown), 'Execute Query', 'Actions', 'Edit', and 'Save' buttons.

The recommended search field is the Track & Trace number, as it will show all releases with the same sales order.

Click on the ID hyperlink to open the respective order.

Order Release Total Found: 3

Actions ▼				+	🔗	✎	✕	📄	↶	📄	↷	🖨	☰
<input checked="" type="checkbox"/>	+	★	ID	Indicator	Order Number	Shipment Type							
<input type="checkbox"/>	+	☆	FLS/EUR.OB-T-12-002	○	OB-T-12								
<input type="checkbox"/>	+	☆	FLS/EUR.OB-T-12-PO-01-001	●	OB-T-12-PO-01	IN DIRECT							
<input type="checkbox"/>	+	☆	FLS/EUR.OB-T-12-PO-02-002	●	OB-T-12-PO-02	DIRECT							

Select the *Ship Unit* TAB.

FLSMIDTH Transportation Management System

Order Release Result > Order Release

Order Release ☆ 1 of 1 | New | Finished | Actions

Order Release **Ship Unit** | Line Item | Constraints | Involved Parties | Remarks

Order Release ID OB-T-12-002 | Order Base ID | Source Location ID NEFAB VALBY | Destination Location ID KUCHING SARAWAK-3265

FLS Additional Details

Track & Trace Number | Due Date

Goods are ready for Dispatch on | Country Of Origin (DK) | * Incoterms (CFR) | * Location/City (KKUALALAMPUR) | Inspection Required (MAY BE REQUIRED)

Packing List Status | Forecast Date | Vendor Name | Customer Name | * Order Type (DIRECT)

Order Release ID OB-T-12-002 | Status

Domain Name FLS/EUR

Click on the *Edit* icon on the ship unit level.

Order Release Result > Order Release

Order Release ☆ 1 of 1 | New | Finished | Actions

Order Release **Ship Unit** | Line Item | Constraints | Involved Parties | Remarks

Order Release ID 1802169-001 | Order Base ID | Source Location ID 29306 | Destination Location ID 501891-3257

ID	Track & Trace Number	Country Of Origin	Due Date	Hazardous	Transport Handling Unit	Ship Unit Count	Package No	Length	Width	Height	Total Gross Weight	Total Gross Volume	Gross Weight per Ship Unit	Gross Volume per Ship Unit	Net Weight per Ship Unit	Net Volume per Ship Unit
3	OTM-2018-10000000089	SIAM CEMENT PUBLIC COMPANY LIMITED	2018-12-07 00:12 UTC		CARDBOARD BOX	1	1	600.00 MM	300.00 MM	240.00 MM	10.00 KG	0.04 CUMTR	10.00 KG	0.04 CUMTR	9.00 KG	CUMTR
Packaged Item ID												Total Package Count	Total Weight	Total Volume		
DEFAULT												1	KG	CUMTR		
420194												1	KG	CUMTR		

In *Remarks Qualifier ID*, select *Stock Location* from the drop-down list.

[Order Release Result](#) > Order Release

Ship Unit

9.00 KG

Seal Numbers

Seal Number

Order Base Details

Order Base ID Order Base Ship Unit ID Rel

Special Services

Special Service Group Special Service

Remarks

Remark Qualifier ID Remark Text

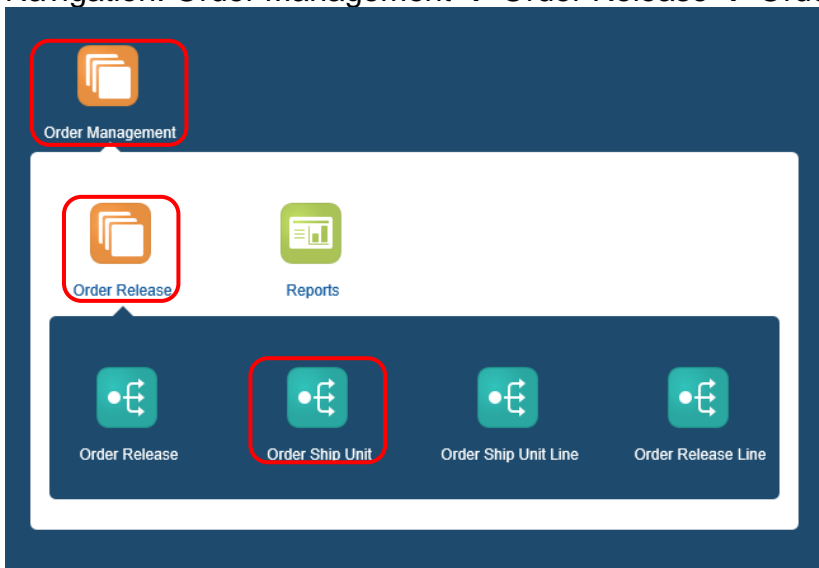
STOCK LOCATION

Add the actual Stock Location in the Remarks Text.

Click on the Save button.

To view the stock location, pls. use below navigation.

Navigation: Order Management → Order Release → Order Ship Unit



Enter the Order Release number provided by FLSmidth and click on the Save button.

SHIP_UNIT Finder

Order Release Ship Unit Audit

Item Begins With

Order Release ID Begins With

Ship Unit ID Begins With

Favorites Yes No Both

Track & Trace Number Begins With

Country Of Origin Begins With

Vendor Name Begins With

Cargo Number Begins With

Remark Qualifier Begins With

Remark Text Begins With

Saved Query:

If stock location is entered, it will show in the search screen.

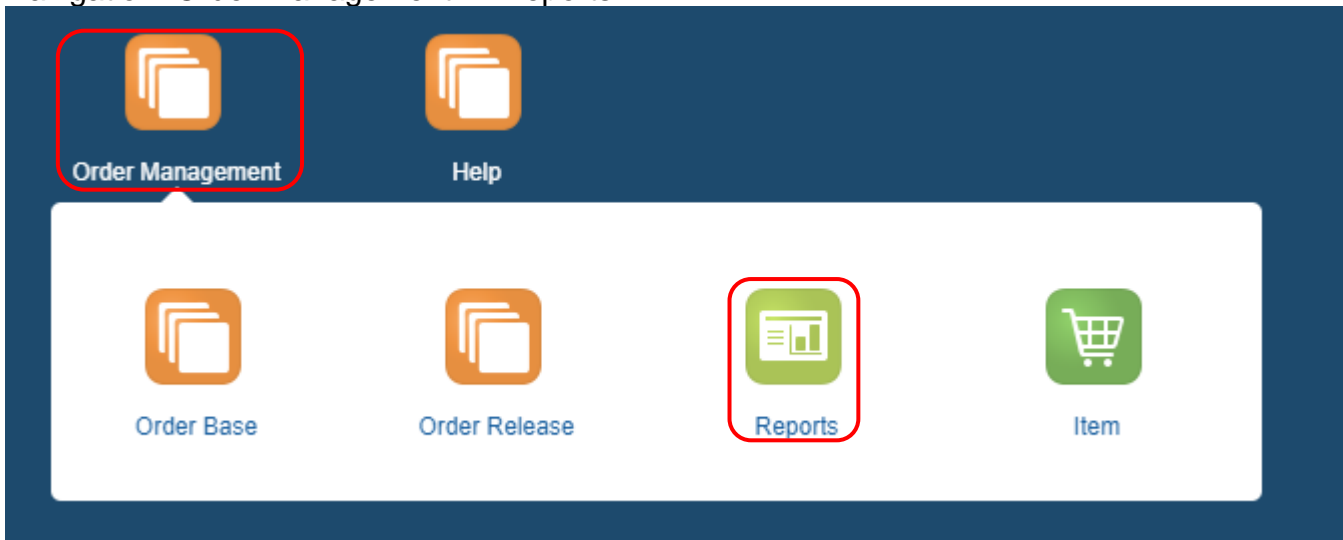
SHIP_UNIT Total Found: 1

View Events by Tracking Number

<input checked="" type="checkbox"/>	<input type="checkbox"/>	ID	Order Release	Track & Trace Number	Cargo Number	Stock Location
<input type="checkbox"/>	<input type="checkbox"/>	FLS/EUR.7005	609068E-001	OTM-2018-100000000...		<input type="text"/>

2.4 Printing tags

Navigation: Order Management → Reports



Select the *Items Tag Report* and click on *Run*.

Reports

* Adobe Acrobat Reader is required to view reports in PDF format.
Go to www.adobe.com if you wish to install it.

Forms			
Cargo Specification	Cargo Specification	FLS/EUR	Run
Collection Note	Collection Note	FLS/EUR	Run
Customer Packing List	Customer Packing List	FLS/EUR	Run
Item Tag Report	Item Tag Report	FLS/EUR	Run
Packing Instruction	Packing Instruction	FLS/EUR	Run
Shipping Instruction	Shipping Instruction	FLS/EUR	Run
Shipping Mark	Shipping Mark	FLS/EUR	Run
Vendor Packing List	Vendor Packing List	FLS/EUR	Run

Enter the *Order Release ID* no. and choose the *Report Format*.

Click on the *Submit* button.

Item Tag Report

Parameters

* Order Release ID

608892A-001

Delivery/Format

Report Format

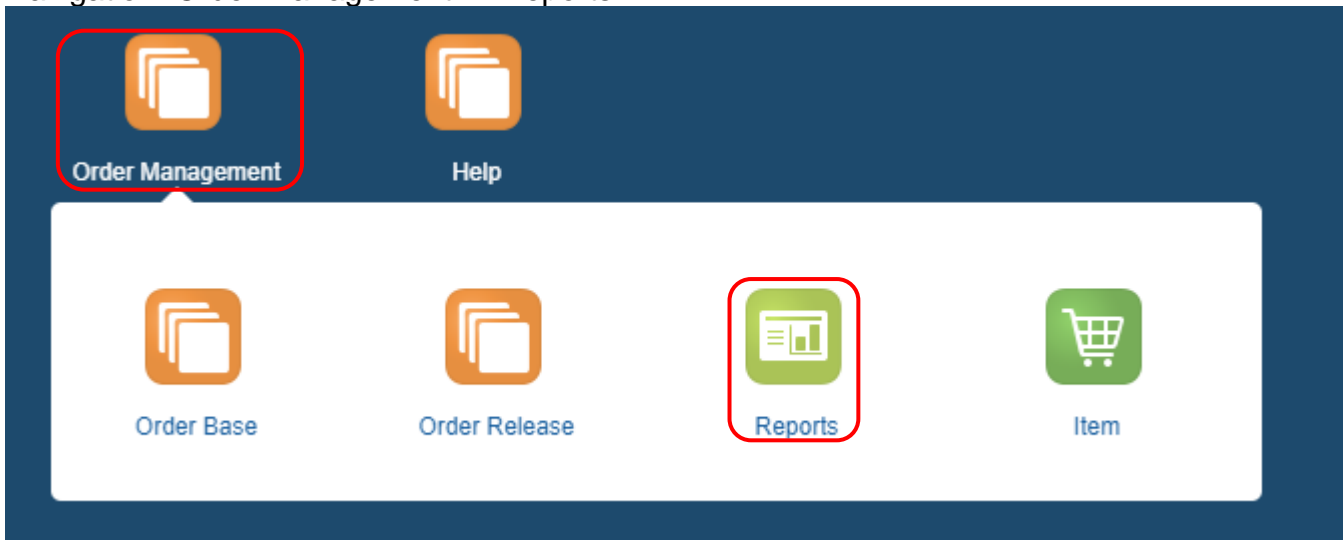
PDF
HTML
PDF
RTF
Excel(html)
Excel(mhtml)
Excel(.xlsx)
Excel(.xls)
CSV
eText
XML

Submit Reset

The Report will open and can hereafter be printed.

2.5 Printing Shipping Mark

Navigation: Order Management → Reports



Select the *Items Tag Report* and click on *Run*.

Reports

* Adobe Acrobat Reader is required to view reports in PDF format.
Go to www.adobe.com if you wish to install it.

Forms			
Cargo Specification	Cargo Specification	FLS/EUR	Run
Collection Note	Collection Note	FLS/EUR	Run
Customer Packing List	Customer Packing List	FLS/EUR	Run
Item Tag Report	Item Tag Report	FLS/EUR	Run
Packing Instruction	Packing Instruction	FLS/EUR	Run
Shipping Instruction	Shipping Instruction	FLS/EUR	Run
Shipping Mark	Shipping Mark	FLS/EUR	Run
Vendor Packing List	Vendor Packing List	FLS/EUR	Run

Enter the *Order Release ID* no. and choose the *Report Format*.

Click on the *Submit* button.

Item Tag Report

Parameters

* Order Release ID

608892A-001

Delivery/Format

Report Format

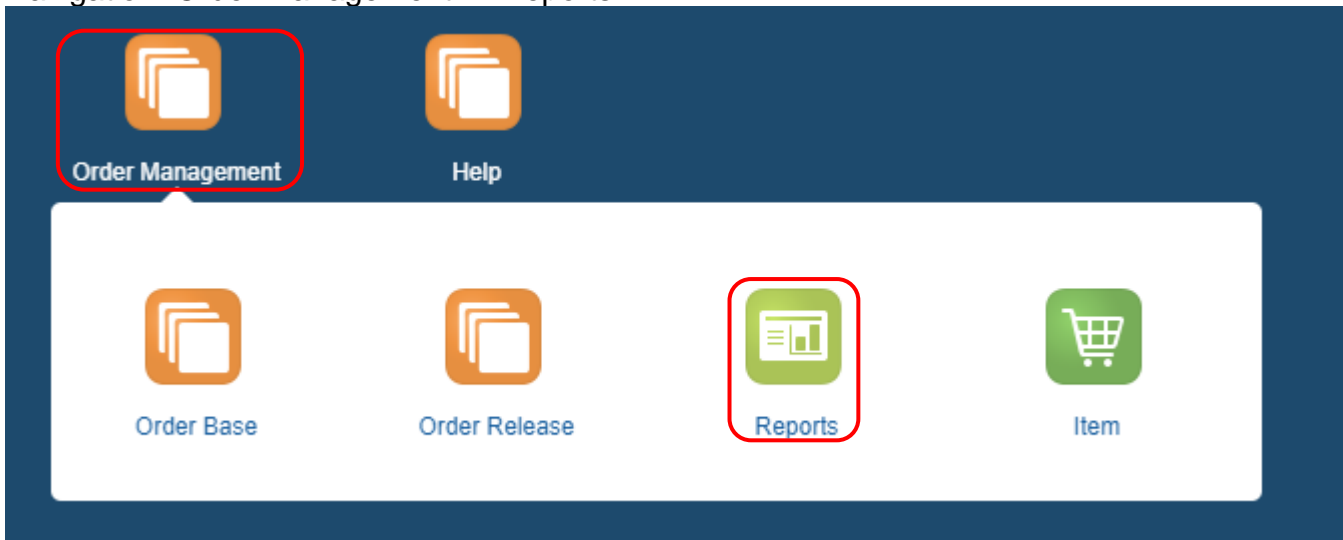
PDF
HTML
PDF
RTF
Excel(html)
Excel(mhtml)
Excel(.xlsx)
Excel(.xls)
CSV
eText
XML

Submit Reset

The Report will open and can hereafter be printed.

2.6 Printing Vendor Packing List.

Navigation: Order Management → Reports



Select the *Items Tag Report* and click on *Run*.

Reports

* Adobe Acrobat Reader is required to view reports in PDF format.
Go to www.adobe.com if you wish to install it.

Forms			
Cargo Specification	Cargo Specification	FLS/EUR	Run
Collection Note	Collection Note	FLS/EUR	Run
Customer Packing List	Customer Packing List	FLS/EUR	Run
Item Tag Report	Item Tag Report	FLS/EUR	Run
Packing Instruction	Packing Instruction	FLS/EUR	Run
Shipping Instruction	Shipping Instruction	FLS/EUR	Run
Shipping Mark	Shipping Mark	FLS/EUR	Run
Vendor Packing List	Vendor Packing List	FLS/EUR	Run

Enter the *Order Release ID* no. and choose the *Report Format*.
Click on the *Submit* button.

Item Tag Report

Parameters

* Order Release ID

608892A-001

Delivery/Format

Report Format

PDF
HTML
PDF
RTF
Excel(html)
Excel(mhtml)
Excel(.xlsx)
Excel(.xls)
CSV
eText
XML

Submit Reset

The Report will open and can hereafter be printed.

2.7 TMS Glossary

SL#	Terminology	Explanation
1	Buy Service Provider	This field determines the specific service provider that can be used when building a shipment for the order.
2	Communication Method	Determines whether a contact can receive messages such as an email, a fax, an TMS message in the Message Center or an EDI transmission.
3	Country of Origin	Material source from country.
4	Delivery Date	Is the final date by which the underlying commodity for a future or forward contract must be delivered for the terms of the contract to be fulfilled.
5	Delivery Status	Complete/Additional/Partial/Balance.
6	Destination Location ID	Identifies where the item is shipped to. TMS uses these fields to identify appropriate itineraries and service providers during shipment planning.
7	Due Date	For purchase orders = need-by date. For sales orders = delivery date.
8	Early and Late Pickup and Delivery Dates	Early and late pickup and delivery dates can be used to determine the time window in which the line item can be picked up from its place of origin and delivered to the consignee.
9	Equipment Group	Identifies a specific equipment group that is used when building a shipment for the order.
10	Equipment Group Profile	Considers the set of equipment groups in the profile when building shipments for the order.
11	Forecast Date	The supplier updates this field when there is any deviation from the Due Date.
12	Incoterm	Are the series of pre-defined commercial terms published by the International Chamber of Commerce that are widely used in international commercial transactions.
13	Incoterm Location	This field is used to specify additional location information for the applicable Incoterms.
14	Invoice	When an Invoice is generated from a shipment, the invoice is also automatically matched to that shipment. The Invoice is then ready to be approved for payment.
15	Involved Party	An Involved Party identifies a contact that has some interest in what happens to a business object (I.e. an order) as it moves through the transportation life cycle. A contact can be defined as a person or a location; however, only a location with a primary contact can be assigned as an Involved Party.
16	Involved Party Contact	Involved Party Contact identifies a specific contact or contact group with attributes such as a name, email address, phone and fax numbers etc. Contacts and contact groups are

		defined in the Communication Manager. When you perform a search in this field, contacts as well as contact groups are returned.
17	Involved Party Location	Identifies a specific location with a primary contact defined.
18	Involved Party Qualified ID	Identifies the role that a contact is playing regarding the business object.
19	Length/Width/Height per Ship Unit	Length, Width, Height, Diameter, and Core Diameter (per ship unit) can be used to describe the dimensions of Ship Unit.
20	Line Item	Item Number/PDB Number of respective order line.
21	Mode of Transport	Sea/Air/Local Transport
22	Load/Unloading Points	These are specific loading and unloading points assigned to a location. You can set load/unload points for the source/destination locations as well as the planned from/to locations on an order.
23	Manual Plan	We can use this action to manually create a shipment for order releases. The order release cannot already be on a shipment and must have a status value of either PLANNING_NEW, PLANNING_UNSCHEMULED, or PLANNING_PLANNED - FAILED
24	Mode Profile	This field only considers a set of transportation modes included in the profile when building a shipment for the order.
25	Net Weight/Net Volume	The net weight and/or net volume can be supplied directly on an order or calculated based on the package weight defined for packaged item in the item manager and the total package count.
26	Order Base	An order base represents the detailed information about the sales order/purchase order created in various source system of FLS and interfaced to TMS. I.e. an order ID, the involved party, scheduling information, source and destination locations, special services, as well as the content of the order. This is basically TMS representation both sales order and purchase order.
27	Order Base Line ID	Provides a cross-reference to order base line that was released to create the order release
28	Order Base Line Release Instruction Sequence	The Release Instruction Sequence indicates which release instruction generated the shipping unit for the order release
29	Order Movement	An order movement allows you to plan portions of an order release based on routing.
30	Order Movement ID	This is generated by the Business Number Generator and cannot be changed after the order movement is created.
31	Order Release	Can be created from the release instructions specified on an Order Base or independently of an Order Base. An Order Release always contains at least one ship unit or one-line

		item. Some details are copied from the Order base, other field values can be entered to control shipment planning and while some values are calculated during the order release process.
32	Order Release ID	Is assigned when the Order Release is created and cannot be changed.
33	Order Release Line ID	The Order Release Line ID is a link to the order release line that was created from this line
34	Original Leg ID	This field shows the original ID. If two order movements are planned together, the alphabetically or numerically first original ID is used.
35	Original Leg Position	Original Leg Position is a relative position of the original leg to the primary leg in the itinerary such that a primary leg's position is 0 and positions for legs to left of the primary legs (pre-transport) are -1, 2 etc. Positions for legs after the primary leg are 1, 2 etc.
36	Packaged Item ID	Is where you define the classification hierarchy between the items, packaged items, and packaging units. I.e. coca cola cans are always sold together in packages of 6. So, a package of 6 coca cola refer to a packaged item.
37	Packaging Unit	Is the shippable unit of packaged items.
38	Packaging Unit Count	Corresponds to the item package specification and defines the number of item package specifications. For example, if your item package specification is CASE, the item package count represents the number of cases.
39	Packing List Submission Status	Initiated/Submitted/Approved/Rejected
40	Parent Source/Destination Location ID	These fields only appear if this order movement was created using the Build Buy Shipment on Primary Leg action.
41	Payment Method Code	This field is used to identify the conditions for payment.
42	Perspective	This field identifies whether this is a buy or sell order movement. The perspective is determined by the perspective of the shipment or itinerary depending on how the order movement is created.
43	Plan From/To Location	Allows us to overwrite the default alternate location to or from which an order will be sourced/delivered for transportation planning purposes.
44	Priority	Enter a Priority if you want to differentiate some order releases as a high, medium or low priority for planning purposes. Valid values are 1-999, the higher the number, the higher and the priority. You can define its use as well as the upper limit of the low priority and medium priority by using parameters.
45	Quantity Remaining	Quantity Remaining is the difference between the Total Package Count and the Released Count.

46	Released (Weight, Volume, Count)	Applicable values that result from releasing packaged items.
47	Secure Resources	This action provides a shortcut for tendering a shipment since it automatically performs the approve for execution and tender Shipment actions for us. I.e. when you run this action for a shipment, TMS approves the shipment for execution and automatically tenders it to a service provider. You can secure resources for shipments with the shipment status type SECURE RESOURCES and the status value NOT_STARTED.
48	Sell Service Provider	This field is used by planning when building a sell side shipment from this order.
49	Sell Service Provider Profile	This field is used by planning when building a sell side shipment.
50	Shipment ID	If there is a shipment associated with this order release, we can use the Shipment ID field to identify it.
51	Shippable	Controls whether the packaged item can be automatically released for the full amount. By default, this check box is clear - meaning that the packaged item is not released when the order is saved.
52	Ship Unit ID	Identifies the ship unit that you are shipping.
53	Source Location ID	Identifies where the item originates. TMS uses these fields to identify appropriate itineraries and service providers during shipment planning.
54	Splittable	Describes whether a line item can be split into multiple ship units and placed on multiple shipments or multiple equipment when the total weight or volume of the line item cannot be handled by the equipment group associated with the shipment during planning.
55	Status	The planning status of an order movement changes as actions are performed. We can click Status to display the current order movement status.
56	Tags	Tag fields are used to enter ship unit or line item attributes so they can be used when searching for order bases, order releases, shipments, and freight forwards. Tags entered on an order base ship unit or line item also appear on any order release.
57	Tender	When a shipment is tendered, notice is sent to a service provider with an offer to carry the shipment. After you tender the shipment to a service provider, the service provider accepts or declines the tender. Service providers can respond to a tender by sending a transmission through the integration layer, by fax, by email.
58	Total Declared Value	The Declared Value is for describing the value of line items in a specific currency.
59	Total Package Count	Is the total number of packaged items that you are ordering.

		On an order release ship unit line, this number represents the number of packaged items on a ship unit.
60	Total Weight/Volume/Ship Unit Count	These fields are all calculated from the ship units on the order movement and are read-only.
61	Transport Handling Unit	Is used to define what the item is shipped on, I.e. a pallet.
62	Transport Handling Unit Count	Use this field to record that a Transport Handling Unit consists of I.e. 4 boxes.
63	Transport Mode	Identifies a specific transportation mode when building a shipment for the order.
64	Track & Trace Number	Track & trace number is common tracking number which works as common linkage between all the purchase order raised to fulfil the demand of a sales order. Track & trace number will be used as common searching factor between the respective sales order and all linked purchase order.
65	Voucher	A Voucher is an authorization to pay all or part of the amount due on a payment invoice. Vouchers are typically created when an invoice is approved for payment. The actual payment of a Voucher is performed by an accounts payable system once the Voucher has been issued.