

FCL Tariff and Route Management (WP1)

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OBJECTIVE AND SCOPE

The purpose of this document is to present the rates and routes management process regarding the sea transport packaged shipping i.e. FCL (Full Container Loaded).

SCOPE

This operating procedure (OP) applies to all rates and routes to be processed in the European area (excluding Gorzow, in Poland), and exclusively with regard to the sales transport.

REFERENCE DOCUMENTS

- SBS OTC- Process Expert procedure,
- Aris Connect access flow charts ([\(*\){+}https://process.solvay.com+_*blocked URL](https://process.solvay.com+_*blocked URL) (via [Internet Explorer](#)))

DEFINITIONS

EMEA LP = Europe, Middle East, Africa, Logistics Purchasing (ex DAL= Direction des Achats Logistiques).

SID = Shipment Identity: this file is a summary of the necessary elements to perform a transport: route's name, used carrier, shipping point, destination point, mode of transport, etc...

SCD: Shipment cost document = It is generated when using the transport mentioned in the SID.

Shipping point: It is an assigned code to each site depending on both the nature of the shipped product and the used mode of transport.

Shipment organization point: It is an assigned code to each administrative entity. It defines which site is in charge of both organization and payment of each transport.

RRR/POC: Point Of contact. It is the interface between different actors of the site for which it is responsible: i.e. OtC Logistics Data and the accounting department. It is in charge of solving anomalies related to missing or wrong **SCD**.

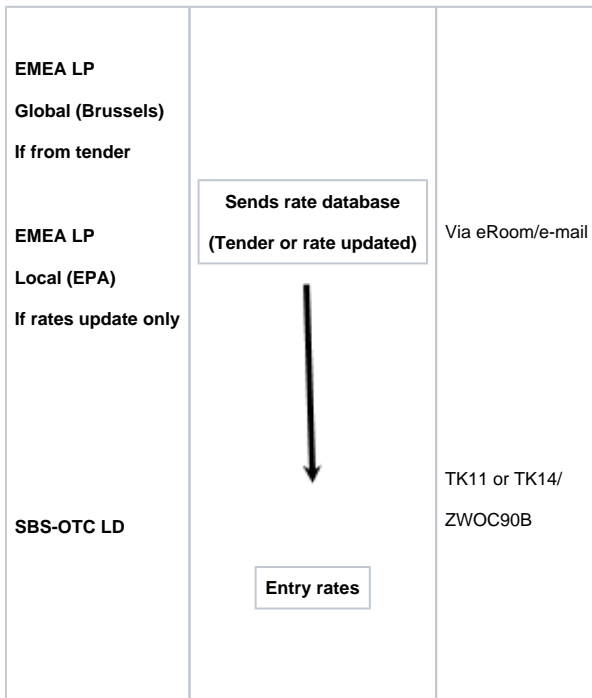
ISSD: Information System Solutions and Design Data (ex GDA et MAGDA), SBS OTC support Team in charge of data management i.e. SAP structure and developments

Google form = It is a form that allows sites to make emergency requests for creation or modification of routes.

FCL RATE ENTRY (Full Container Load)

Process for entering FCL rates

WHO ?	WHAT ?	HOW ?



The FCL tender's tariffs include 2 parts: one for the pre carriage rate and the other one related to sea transport. Tender's Tariffs are sent by EMEA LP Global (Brussels) via an Excel file. Rates' updates are sent to SBS OTC LD team by EMEA Local team (EPA) via eRoom.

FCL maritime pre-carriage

The FCL pre-carriage rate corresponds to the inland part of the transport. Prices depend on the carrier and vary according to each shipping company. [The price condition used in SAP is Z500](#)

The necessary elements for entering the pre-carriage rate are as follows:

- **The shipping company** (= AIRMER Cie) : ex : OOCL 00101
- **The freight forwarder (if merchant haulage)**
- **The type of shipment** :
 - 05 Carrier Road
 - 08 Carrier Rail & Road
 - 09 All Barge
 - 14 Carrier Barge & Road
- **The shipping point** (departure site ex : 0151)
- **The destination point** : it is necessarily an embarcation's port (ex : 3 FR FOS)
- **The packaging**: type of container

Used codifications :

container 20'dry	1055651
container 40' dry	1055652
container 40' High cube	1753761
container 20' reefer	1846370
container 40' reefer	1846371

- **The goods hazardousness**
- **The amount**
- **The currency**
- **The start and end validity tariff.**

The process for entering the tariff (especially related to the rates' update) is as follow:

1. Check within the **TK13** transaction (display condition) that the rate to be entered is not already registered in SAP system (Z500 condition)
2. If there is no rate, type **TK11** (create rate condition)
3. If there is a rate already registered, type **TK12** (modify rate condition)
4. Select **Z500** condition. The condition type determines the choice of the keys combination.

Choose the appropriate combination of keys

If dangerous goods or Non dangerous goods

Enter the data related to the rate in the next screen. Each field with must be filled:

Example of a precarriage's rate for non-dangerous goods :

From the shipping point of *Saint Fons Spécialités (0157)*, type of shipping: Carrier road (05), packaging item **1055651** (20' dry) with CMA-CGM (00501), Arrival point: Anvers (3 BE ANR)

Create Approach FCL Condition (Z500) : Fast Entry

Shipping line/Ship.type/Ship.point/Dest.point/PackMats	S Description	P.. Amount	Unit	per	U...	C.. S..	Valid From	Valid to
00501 05 0157 3 BE ANR 1055651	CONTAINER 20'	1.900,00	EUR			S	01.02.2015	31.01.2016

Example of a precarriage's rate for dangerous goods :

Create Approach FCL Condition (Z500) : Fast Entry

Ship. Line/Ship.type/Ship.point/Dest.point/PackMats/C. DG	C S	Description	P.. Amount	Unit	per	U...	C.. S..	Valid From	Valid to
00501 0157 3 BE ANR 1055651	<input checked="" type="checkbox"/>	Yes	2.100,00	EUR			S	01.02.2015	31.01.2016

The amount to be entered for the shipment's tariff of dangerous goods is: **the precarriage tariff + precarriage hazardous surcharge**. For the shipment of dangerous goods, in addition to the combined key with "C.DG", you must tick the field **C** in the rate's pricing table. Note that the sea approach FCL rates are always packages.

The FCL Ocean freight

The FCL ocean freight is the part of shipment performed on the sea, i.e. from the port of load to the port of discharge (Main transport).

The price condition used in SAP is Z510

The necessary elements for entering the ocean freight are the same as the pre-carriage ones with the exception of the following elements:

- The port of load* = departure point (it is the arrival point of the pre-carriage), Ex : 3 FR FOS
- The port of discharge* = arrival point Ex: 3 TH BKK
- The FCL freight shipping type is always **04** (sea)

The process for entering the tariff is as follows:

1. Check within the **TK13** transaction (display condition) that the rate to be entered is not already registered in SAP system (**Z510** condition)
2. If there is no rate registered, type **TK11** (create rate condition)
3. Select **Z510** condition. The condition type determines the choice of the key combination.
4. If there is already a registered rate, type **TK12** (modify rate condition)
5. Select the appropriate combination of keys

Condition type

Key Combination

- ServcAgent/TrspPlan.Pt/Dep.point/Dest.point/PackMatls/DG
- ServcAgent/Dep.point/Dest.point/PackMatls/DG
- ServcAgent/Dep.point/Dest.point/Ship line/PackMatls/Trans. g
- ServcAgent/Dep.point/Dest.point/PackMatls/Trans. grp
- ServcAgent/Dep.point/Dest.point/Ship line/PackMatls
- ServcAgent/Ship.type/Ship Point/PackMatls/Ship-to
- ServcAgent/Dep.point/Dest.point/PackMatls
- Shipping line/Dep.point/Dest.point/PackMatls/ContainsDG
- Ship line/Dep.point/Dest.point/PackMatls/Trans. Grp
- Ship.Line/Dept.Pt/DestPoint/PackMatls

If dangerous goods or non dangerous goods

Enter the data related to the rate in the next screen. Each field with must be filled
Click on « Enter ».

Example of a FCL Ocean Freight with a packaging item 1055651 with dangerous goods

Shipping line/Dep.point/Dest.point/PackMatls/ContainsDG																						
Ship/Air L	DepPnt	Dest.point	PackMatls	C	S	Description	P..	Amount	Unit	per	U...	C..	S..	Valid From	Valid to	D..	S..	T..	E..	Pa...	Fi	
00501	3 BE ANR	3 CA MIR	1055651	<input checked="" type="checkbox"/>		Yes		3.275,00	USD			S		01.02.2015	31.01.2016	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>												<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

In case of shipment of hazardous goods, in addition to the combined key with "Contains DG", you must tick the field **C** in the pricing table.
Please note that :

- The FCL ocean freight rates are always flat rates including the departure THC (Terminal Handling Charges)
- For sea freight, consider the column « **New Ocean freight with bunker revision** » of the FCL rate database
- The amount to be entered for the shipment's tariff of hazardous goods is: **the pre-carriage tariff + Precarriage Hazardous Surcharge**

[Additional FCL shipping costs:](#)

In eRoom, there is a specific Excel file containing the various additional fees applied by each freight forwarder and by each shipping company.
Rate conditions to be used:

- Management fees: Z590 – Table 904 – Service agent/Ship. type
- Customs fees: Z591 – Table 904 – Service agent/Ship. type
- Express Mail: Z570 – Table 904 – Service agent/Ship. type
- Extra customs trucking (multistop) : Z597 – Table 990 – Shipping line / Ship.type / Ship.point /Dest.point /PackMatls
- Additional fees (all in per container): Z511 – Table 598 - Service agent / Shp.type / Country of dep / Packaging materi
- Table -

[The mass loading rates](#)

Download the template Excel file with the **ZWOC90D** transaction depending on the used condition (Z500 or Z510)

	A	B	C	D	E	F	G
1	Application	Type conditio	Table	Cat.assurance	Condit. expéc	Prestataire	Cie AIR/MER T
2	KAPPL	KSCHL	KOTABNR	VSART	VSBED	TDLNR	VTTK_ADD01 L
3	F	Z510	913				00601
4	F	Z510	913				00601
5							

Take the tender provided by the purchasing department then copy and paste in the pre-filled columns whilst respecting the set table.

The different types of tables:

989: Pre-carriage of dangerous goods

990: Pre-carriage of non-dangerous goods

913: Main transport of non-dangerous

940: Main transport of dangerous


Convert the Excel file in text format (.txt) and save it on your desktop before downloading it in ZWOC90B transaction

Once these manipulations are performed, download the files (pre-carriage and ocean freight) in ZWOC90B transaction.

Define the condition type (Z500 or Z510)

The file Header Line number is always **2**

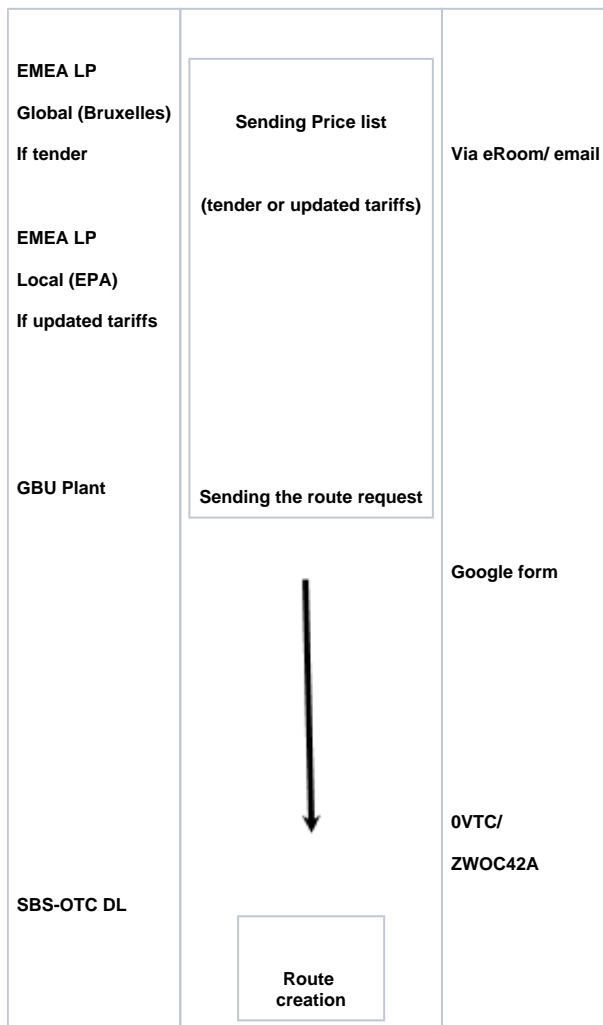
Please see the example below :

 **ZWOC90B - Freight Mass Maintenance**

Price Condition Selection	
Condition type	<input type="text" value="Z510"/>
File Header Line Number	<input type="text" value="2"/>
Pc File Selection	
File name	<input type="text" value="C:\Users\FBAH\Desktop\Chargement en masse fret mari..."/>


VI. ROUTE CREATION

WHO ?	WHAT ?	HOW ?
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Manual route creation

1. New creation

- In SAP enter **0VTC** transaction
- Get in edit mode «change View Routes 
- Click on « **New Entries** »
- Type the new route's number (the latest created route's number + 1) and seize information either from the Price list database or from the Google form (in this case, the route's number must start by GBU).

Display View "Routes": Overview

Display BC Set

Dialog Structure

- Routes
 - Route Stages
 - Transportation connecti...

Route	Description	ST	PL	Un	ServcAgent	TransitDur	Trav.dur.
000000	CUSTOMER PICK-UP 0D 0D	01			60905		
000009	FR RoadC DEBEAUX 1D 0D	01			51066		
000010	FR RoadC DEBEAUX 1D 1D	01			51066	1,00	
000011	FR RoadC DEBEAUX 1D 2D	01			51066	2,00	
000012	FR RoadC DEBEAUX 1D 3D	01			51066	3,00	
000013	FR RoadC DEBEAUX 1D 4D	01			51066	4,00	
000019	FR RoadC SAURON 1D 0D	01			51179		
000020	FR RoadC SAURON 1D 1D	01			51179	1,00	
000021	FR RoadC SAURON 1D 2D	01			51179	2,00	
000026	FR RoadC DEBEAUX 1D 2D	01			51458	2,00	
000031	FR RoadC DHL FREIGHT 1D 3D	01			51138	3,00	
000032	FR RoadC DHL FREIGHT (OBR) 1D...	01			51138	3,00	
000033	FR RoadC DHL FREIGHT (OBR) 1D...	01			51138	4,00	
000034	FR RoadC DHL FREIGHT (OBR) 1D...	01			51138	5,00	

Position... Entry 1 of 14.151

Information provided by the plant for the route creation are as follows :In the routes' tab , click on the icon « Position » and seize ANPE or GBU (if the request is from the Google form)

- The GBU name
- The SAP system (RCS)
- The type of request
- The mode of transport
- The shipping point
- The type of shipment
- The port of load
- The port of discharge
- The incoterm
- The carrier code
- The lead time
- The transit time
- The calendar
- The border point

These information are very detailed because they enable us to create the new route and also to check the tariff related to the flow.


Note that for all the sea shipment departing from France, the border point corresponds to the place where the goods leave the European territory.

How to create a route?

- The route's name must be in capital letter with a maximum of 39 digits.
- The route description must follow the following order:

10 FCL Carrier-Port of Load-Port of discharge-Lead time-Transit time

Enter the following information :

Route	030211		
Identification			
Description	10 FCL DGF LEH-PHILADELPHIA 7D 22D		
Route ID	10 FCL DGF LEH-PHILADELPHIA 7J 22J		
Processing			
Service agent	61213	DHL GLOBAL FORWARDING (F	
ModeOfTr-Border	1		
Shipping type	04  Sea	Distance	0,000
ShTypePreLeg	<input type="checkbox"/>		
ShTypeSubLeg	<input type="checkbox"/>	<input checked="" type="checkbox"/> Rel.transport	
Scheduling			
TransitTime	22,00	Factory cal.	10
Trav.dur.			
TransLdTm.	7,00		

The route number (as explained above)

The description and copy paste in the "Route ID " line.

Service agent code

Mode of transport = 1 (Sea)


Shipping type = 04 (Sea).


Transit time (pre-carriage time + sea transit)

Lead time

Calendar type.

Tick on « Rel. transport ». It will enable the generation of the SCD automatically when using this route.

- Press « Enter»
- Click on the tab «Route stages»
- Click on the icon  « insert new entries »
- Click on «2 Columns»

Route	030211 10 FCL DGF LEH-PHILADELPHIA 7D 22D		
Itinerary	1		
Locations			
Dep. point	3 FR LEH	Le Havre	
Dest.point	3 US PHL	Philadelphia, PA	
Processing			
Service agent	61213	DHL GLOBAL FORWARDING (France) SAS	
Distance	0,000		
Leg indicator	Main leg	Stage category	Transportation
Shipping type	04  Sea	<input checked="" type="checkbox"/> ShpmntCostsRel.	
Special proc.	<input type="checkbox"/>		
Procedure	<input type="checkbox"/>	BR-By Road Outbound	
Scheduling			
Total duration	<input type="text"/>	Working times	<input type="text"/>
Travel duration	<input type="text"/>	FactoryCalendar	<input type="checkbox"/>

Enter the following data:

Departure point (starting with a 3 => Port) and the arrival point (starting with a 3 => Port)


Service agent code



Leg indicator = Main leg

Shipping type= 04 (Sea).

Click on « ShpmtCostsRel » ». It will enable the generation of the **SCD** automatically when using this route.

Save.

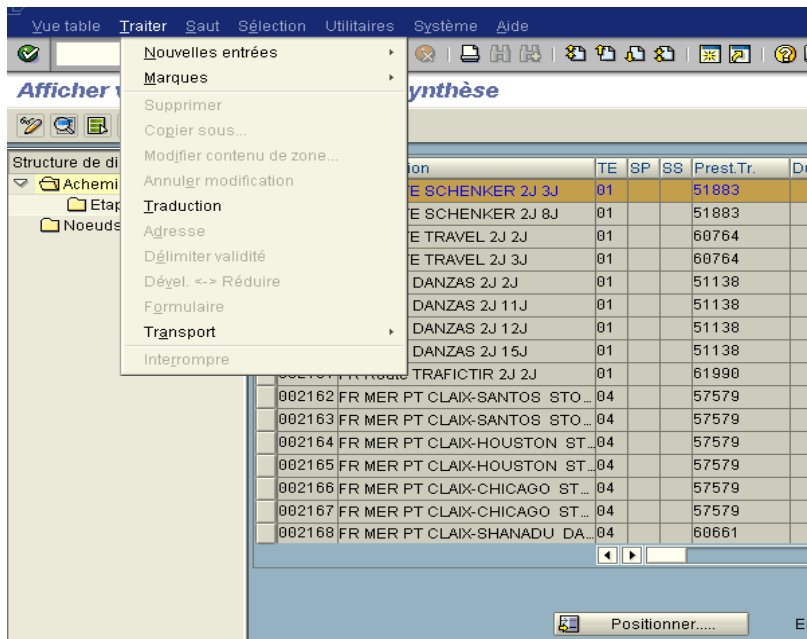
- Click on the icon  « Add new entry » to integrate the border point.
- Type the border point node « 7 xx xxx » with stage type 3 as indicated below.

Etapas de l'itinéraire						
P...	T...	Ty.	NoeudPtDép	Désignation		
1	1		3 FR LEH	Le Havre		3
2	3		7 FR LEH	Le Havre		

- Save

Translate the route following the stages stated below:

- Select the route in the main page
- Menu Edit => Translation



TE	SP	SS	Prest.Tr.	Du
01			51883	
01			51883	
01			60764	
01			60764	
01			51138	
01			51138	
01			51138	
01			51138	
01			61990	
04			57579	
04			57579	
04			57579	
04			57579	
04			57579	
04			57579	
04			60661	

- Select all the languages and translate to English for each of them.
- Save

1. [Route creation with reference](#)

- OVTC Transaction – « IRoutes » : Summary
- Click on the pen « Display »
- Select and double click on the reference route number, then paste

!worddav1f70816e1c697b0f6c916b771a48123c.png!height=169,width=624!Type the new route numberPaste

[Route modification](#)


Sometimes some plants can request for a route modification: service agent code, lead time, transit time, calendar ... However, some parameters must be checked before performing such modifications.

- The first thing to do is to check if the route is used by other plants












- **Check if the route is set up in the plant's determining route table**

For that, use the **ZWOC46A** transaction (List route determination)

List Route Determination



Program Selections

Departure country	FR	to		
Departure zone		to		
Destination Country		to		
Transportation zone		to		
Actual route		to		
Transportation Group		to		
Shipping Conditions		to		
Route	GBU120	to		
Language Key	EN	to		
Service agent		to		
Shipping Point/Receiving Pt		to		

Type the route number) Press on this icon
The code plants using this route l'itinéraire
The following screen appears :

Pays	Zone départ	Pdst	ZoneTransp	Itin. réel	GrpTrp	CE	Itinéraire	Désignation	Désignation	Prest.Tr.	DurPlanTrp	DurTransit	PEXP	Désignation
FR	0000690900	US	00000R0000	GBU120	0001	AE	GBU120	10 FCL DGF LEH-PORTLAND 4J 21J	Maritime FCL Pt déb.	61213	4,00	21,00	E037	Collonges Conditionné
FR	0000690900	US	00000R0000	GBU120	0001	AE	GBU120	10 FCL DGF LEH-PORTLAND 4J 21J	Maritime FCL Pt déb.	61213	4,00	21,00	E036	Collonges Vrac
FR	0000690900	US	00000R0000	GBU120	0001	AE	GBU120	10 FCL DGF LEH-PORTLAND 4J 21J	Maritime FCL Pt déb.	61213	4,00	21,00	E037	Michaud Conditionné
FR	0000690900	US	00000R0000	GBU120	0001	AF	GBU120	10 FCL DGF LEH-PORTLAND 4J 21J	Sea FCL Un.Port+cust	61213	4,00	21,00	E037	Collonges Conditionné
FR	0000690900	US	00000R0000	GBU120	0001	AF	GBU120	10 FCL DGF LEH-PORTLAND 4J 21J	Sea FCL Un.Port+cust	61213	4,00	21,00	E036	Collonges Vrac
FR	0000690900	US	00000R0000	GBU120	0001	AF	GBU120	10 FCL DGF LEH-PORTLAND 4J 21J	Sea FCL Un.Port+cust	61213	4,00	21,00	E037	Michaud Conditionné
FR	0000690900	US	00000R0000	GBU120	0001	BQ	GBU120	10 FCL DGF LEH-PORTLAND 4J 21J	Sea FCL Platf+cust	61213	4,00	21,00	E036	Collonges Vrac
FR	0000690900	US	00000R0000	GBU120	0001	BQ	GBU120	10 FCL DGF LEH-PORTLAND 4J 21J	Sea FCL Platf+cust	61213	4,00	21,00	E037	Michaud Conditionné

This table show which plants have set up the route in the OVRF table.




Before any modification, you should contact each mentioned plants in this table to check with them if they are involved by this request.

- **Check if the route is used by a plant without being set up in the OVRF table.**








It's possible that a plant use a route without setting it up, the route doesn't need to be set up to be used.

You have to select **VT11** transaction.

Shipment List: Planning

   Selection Options

Processing

Service agent		to		
Shipment route	028870	to		
Shipping type		to		
Leg indicator		to		
Service Level		to		
Shipping Conditions		to		
Special proc. indicator		to		

1) Select the route code

2) Click on The following screen appears :
SID numberPlants codeRoute number

List level: 1		Entries: 5		View: 1													
Shipment	PlDat.ChIn	PlTmChIn	ShTy	TPPt	C	ServcAgent	S	SvcPrvdr	ST	PL	L	SL	SC	Route	Truck Plate	Booking ID	Container ID
<input type="checkbox"/> 000 2924887	27.02.2015	00:00:00	9024	0106	1	61987	B	DHL GLOBAL FOR...	04	04	4		AE	028870	FSCU4202185	NT0126538	FSCU4202185
<input type="checkbox"/> 000 2924888	27.02.2015	00:00:00	9024	0106	1	61987	B	DHL GLOBAL FOR...	04	04	4		AE	028870	MSCU5527330	NT0126538	MSCU5527330
<input type="checkbox"/> 000 2924889	27.02.2015	00:00:00	9024	0106	1	61987	B	DHL GLOBAL FOR...	04	04	4		AE	028870	TGHU4583330	NT0126538	TGHU4583330
<input type="checkbox"/> 000 2924930	27.02.2015	00:00:00	9024	0106	1	61987	B	DHL GLOBAL FOR...	04	04	4		AE	028870	TTNU5554683	NT0126538	TTNU5554683
<input type="checkbox"/> 000 2924886	27.02.2015	00:00:00	9025	0106	1	61987	B	DHL GLOBAL FOR...	04	14	4		AE	028870		NT0126538	

This table shows which plants used the route and if some « SID » are still being processed. Before deleting it, you must make sure that no SID is being processing with this route.

The route creation with the mass loading

For the route creation with the mass loading, use **ZWOC42A** transaction in SAP.
Download the Main and Legs files using the text format (.txt) that you have originally established and were provided with by the purchasing department.

Mass route data loading

File and option selection :

File name

Group name

Load General DATA

Load Leg DATA

Be careful when loading, tick Load General DATA for the Main file and Load Leg DATA for the Legs file.

Mass modification

ZWOC42B transaction is to be used for the mass route modification.

Route Data Loading (General/Leg)

File and option selection :

Nom du fichier

Load General DATA

Load Leg DATA

The loading will be done in the same manner as for the ZWOC42A transaction:

- Changing the general data
- Changing the route's stages

They are stored in the common server K with the link below:

K:\ACHATS_ODA_LOG\01-TEMPLATES DE CHARGEMENT EN MASSE\02-Acheminements

ZWOC42A_Creation en Masse Acheminements_Route.xls
 ZWOC42B_Modif en Masse Acheminements_Leg.xls
 ZWOC42B_Modif en Masse Acheminements_Route_.xls



When loading, if one of the field has no value, the system will automatically affect a blank value.

Workflow history

This view shows the 5 most recent entries. The complete workflow log is available from the 'Document Activity' menu item.









Mar 05, 2021

Actor

Type

Activity

Version

Published	 Margarita Scerbakova	State	changed state to Published at 6:55 am	v4
To be approved	 Margarita Scerbakova	State	gave <i>Approvers</i> approval at 6:55 am	
Mar 04, 2021				
	 Paulo Fernando Sousa	State	assigned approval <i>Approvers</i> to  Margarita Scerbakova at 7:45 pm	
		State	changed state to To be approved at 7:45 pm	v4
For Review	 Paulo Fernando Sousa	State	gave <i>Reviewers</i> approval at 7:45 pm	
		State	assigned approval <i>Reviewers</i> to  Paulo Fernando Sousa at 7:44 pm	
		State	changed state to For Review at 7:43 pm	v4
From Dec 28, 2020 to Dec 31, 2020				
Draft	Diego Lemos and Rita Almeida	Edit	multiple updates from  Diego Lemos and  Rita Almeida	