



**THE LOG
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ENATOR**

TRANSPOREON Carrier Interface Services Outbound (transport to carrier)

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Version management

Date	Version	Previous	Amendments	Author
2010-03-02	1.0	-	There is no previous version.	CH
2010-06-08	1.0		Events for export adapted.	CW
2010-06-28	1.1	1.0	TRANSPOREON Standard XML: - Chapter miscellaneous added <quantities> added	CW
2010-09-01	1.1		Adaption of layout Changes in Setup of export (units)	CW
2010-09-10	1.2	1.1	New element <carrier_disponent_name> Chapter 3.3.5 added: Ids for TRANSPOREON internal use only	CW
2010-09-28	1.5	1.2	Terminology update	AW
2010-10-08	1.6	1.5	<delivery_group_number> added	CW
2010-10-22	1.8	1.6	<parameters> added on transport -, delivery-, Item-level	CW
2010-12-09	1.9	1.8	<storage_position_count> on transport and delivery level added	CW
2011-01-17	2.0	1.9	<qualifier> in <offer> added hint regarding date added (chapter Miscellaneous) Change of ip address for use of customer's ftp server	CW
2011-05-04	3.0	2.0	Interface description for the interface for no-touch order assignment process added Changed field length for company name, zip, region,	CW
2011-05-12	3.1	3.0	Changed field length in number <shipment>	CW
2011-09-30	3.2	3.1	<external_transport_number> added	CW
2011-10-10	3.5	3.2	Interface for best carrier process added <bookings> added	CW
2011-12-14	3.6	3.5	<auction_comment_plain_text> and <comment_plain_text> added	CW
2012-01-26	3.7	3.6	<tkn_loading_station> and <tkn_weight> added	FH
2012-04-13	3.8	3.7	Changed field <shipment number> Mandatory NO	FH
2012-10-12	3.9	3.8	Change of HTML tags in <comment> only XML conform Change of <weight> "1000.0" Change of <qualifier> in <offer> "ticap" Change of <qualifier> in <offer> "Tonnage"	FH

2013-03-27	4.0	3.9	Change of <shipment> field faktura examples Change of <shipment> field vehicle_id Mandatory NO Add of note at 4.2. Qualifiers for parameters	QH
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1. Purpose

This document gives a short overview of TRANSPOREON's ftp export function and describes the currently available formats.

2. Overview

This manual describes the export of transport data:

- **after assignment /acceptance**

2.1. Export of transport data after assignment / acceptance

An export file is generated by TRANSPOREON whenever one of the below listed events for a transport is given. A qualifier that specifies the event is included in the TRANSPOREON standard XML export file. See format description for further details.

Events

- A transport has been accepted by the carrier (transport.tiflow.accepted)
- A transport has been assigned by the shipper (transport.assigned)
- A transport has been updated by the shipper (transport.assigned.modified)
- A transport has been cancelled by the shipper (transport.assigned.cancelled)

Available formats:

- Standard XML
- Soloplan XML

3. Information regarding ftp server

The export files can be provided on the TRANSPOREON ftp server or they can be sent to the ftp server of the customer.

3.1. Use of carrier's ftp server

TRANSPOREON forwards the files to a known ftp server of the carrier. To be able to do so, the carrier's firewall has to grant access for:

212.211.132.192/27

TRANSPOREON also needs following information regarding the ftp server access in the carrier's infrastructure:

FTP server name
FTP server ip address
User name
Password
Folder

3.2. Use of TRANSPOREON FTP server

The carrier connects to the TRANSPOREON FTP server and retrieves the files from the respective folder. Account information for the TRANSPOREON FTP server will be provided by TRANSPOREON during the interface project.

Important hint: After getting the files from our FTP server, please make sure that you delete the files afterwards. We do not delete files on the server.

4. TRANSPOREON-Standard XML

4.1. Structure

Level	Element	Description	Frequency
1	<tisys>	Top level element	1
2	<tour>	Transport information element	1
3	<parameters>	Top level element for parameters on transport level	1
4	<parameter>	Details of parameters	0...n
3	<shipments>	Top level element for deliveries	1
4	<shipment>	Details of deliveries	0 ... n
5	 <items>	Item top level tag	1
6	<item>	Item details	0 ... n
7	<quantities>	Top level element for the quantity section	1
7	<parameters>	Top level element for the parameters (item level)	1
5	<station>	Loading/unloading station details of shipment	2
5	<parameters>	Top level element for the parameters (shipment level)	
3	 <offer>	Offer details	0 ...1

4.1.1. <tour>

Elements	Description	Type/ Length	Mandatory	Remark	
timestamp	date of export	C1/19	No	YYYY-MM-DD HH:MM:SS	Y
changed	changed tour	C1/1	No	TRANSPOREON internal	Y
number	transport number in the shipper's system	C1/20	No	unique number in the shipper's system	N
external_transport_number	Additional transport number from shipper	C1/50	No		N
status	export status	C1/1	No	N = New C = Changed D = Cancelled	Y
qualifier	export event qualifier	C1/	No	export after assignment/acceptance: • tour.assign (best carrier) • tour.accepted (no-touch order) • tour.assigned.change • tour.assigned.cancelled	y
company_id	shipper's TRANSPOREON ID	C1/20	No	unique number in TRANSPOREON	y

Elements	Description	Type/ Length	Mandatory	Remark	
company_name	shipper's name	C1/200	No		y
company_address	shipper's street and number	C1/100	No		y
company_zip_address	shipper's postal code	C1/20	No		y
company_city	shipper's city	C1/100	No		y
company_region	shipper's region	C1/100	No		N
company_country_id	shipper's country code	C1/2	No		y
disponent_firstname	First name of shipper's scheduler	C1/100	No		n
disponent_lastname	Last name of shipper's scheduler	C1/100	No		n
disponent_phone	tel. No. of shipper's scheduler	C1/100	No		n
disponent_id	shipper scheduler's TRANSPOREON ID	N4/10	No		n
carrier_disponent_name	First name and Last name of carrier disponent.	C1/100	No	"no-touch order": User that accepted the transport. "best carrier": User that submitted the offer.	n

vehicle_id	TRANSPOREON standard vehicle ID	N4/10	No	0 – 31, a shipper's vehicle name is mapped to TRANSPOREON's vehicle standard ID	n
vehicle_name	shipper's name for the needed vehicle	C1/50	No	shipper's name for the needed vehicle	y
start_date	date of first loading	C1/10	No	YYYY-MM-DD	y
start_time	time of first loading	C1/10	No	HH:MM:SS	Y
end_date	date of last unloading	C1/10	No	YYYY-MM-DD	Y
end_time	time of last unloading	C1/10	No	HH:MM:SS	Y
owner	name of owner	C1/50	No		y
start_country_id	country code of first loading station	C1/2	No		Y
start_zip	postal code of first loading station	C1/20	No		Y
start_city	city of first loading station	C1/100	No		Y
start_region	region of first loading station	C1/100	No		N
end_country_id	country code of last unloading station	C1/2	No		Y
end_zip	postal code of last unloading station	C1/20	No		Y
end_city	city of last unloading station	C1/100	No		Y
end_region	region of last unloading station	C1/100	No		N
price_basic	basic price	F4/9	No	best carrier = frame price specified by shipper; no-touch order = price of transport agreement negotiated between shipper and carrier	N/Y
price_additional1	Surcharge 1	F4/9	No		N
price_additional2	Surcharge 2	F4/9	No		N
price_additional3	Surcharge 3	F4/9	No		N
price_additional1_desc	Description of surcharge 1	C1/50	No		N
price_additional2_desc	Description of surcharge 2	C1/50	No		N
price_additional3_desc	Description of surcharge 3	C1/50	No		N

currency_id	Currency code	C1/3	No	Currency is valid for all price_additional1, ..2, ..3. Codeliste ISO 4217 is used	N/ Y
assigned_carrier_id	Carrier's TRANSPOREON ID	C1/20	No	unique ID in TRANSPOREON	Y/ N
assigned_carrier_name	Carrier's company name	C1/200	No		Y/ N
assigned_creditor_number	Creditor number of assigned carrier in the shipper's system	C1/20	No		Y/ N
carrier_number	Carrier number of assigned carrier in the shipper's system	C1/20	No		N
weight	Transport net weight/gross weight	F4/9	No	depending on the shipper's settings/ e.g. : 1000.0	Y
weight_unit	Transport weight unit	C1/3	No	depending on the shippers' settings / e.g. : kg, t	Y
length	transport net/gross loading meter	F4/9	No	depending on the shipper's settings	Y
length_unit	transport loading meter unit	C1/3	No	depending on the shipper's setting/ e.g. : m	Y
volume	transport net/gross volume	F4/9	No	depending on the shipper's settings	Y
volume_unit	transport volume unit	C1/3	No		Y
route	distance count	F4/9	No	maximum over all shipment distances/sum of all shipment distances, depending on the shipper's settings	N
route_unit	route unit	C1/3	No	km	N
zone	zone	N4/10	No		N
auction_start_date	start date in TRANSPOREON	C1/10	No	YYYY-MM-DD	Y
auction_start_time	start time in TRANSPOREON	C1/10	No	HH:MM:SS	Y
auction_end_date	end date in TRANSPOREON	C1/10	No	YYYY-MM-DD	Y
auction_end_time	end time in TRANSPOREON	C1/10	No	HH:MM:SS	Y
auction_comment	general auction comment	C1/8000	No		N/ Y
auction_comment_plain_text	General auction comment	C1/8000	No		N/ Y

plant	name of shipper's scheduling unit	C1/50	No	place of dispatching	Y
Delivery_group_number	Customer / shipper specific number	integer	No	e.g.: consignment number	N
tkn_loading_station	Customer specific field	C	No		Y/ N
tkn_weight	Customer specific field	integer	No		Y/ N
storage_position_count	Footprint count	double	No		N
tislot_link	https link to time slot management	C	No		N
comment	general transport comment	C1/3000	No	Different values can be contained	N/ Y
comment_plain_text	general transport comment	C1/3000	No	Different values can be contained	N/ Y

4.1.2. <parameter> on transport level

on transport level

Elements	Description	Type/ Length	Mand atory	Remark	
qualifier	Qualifier which describes the parameter	C/100	No	See list of qualifiers	Y
value	Value of parameter	C/4000	No		Y
description	Additional description of the parameter	C/4000			Y

4.1.3. <shipment>

Elements	Description	Type/ Length	Manda- tory	Remark	
index	serial number	N4/10	No		N
tour_id	TRANSPOREON transport ID	N4/10	No	unique in TRANSPOREON	N/ Y
owner	Name of shipper's scheduling unit	C1/50	No	Place of dispatching	Y
number	shipment number in the shipper's system	C1/50	No		N
customer_name	customer name	C1/50	No	Not in use	N
customer_number	external customer number	C1/20	No	Not in use	N
faktura	incoterms	C1/100	No	e. g.: EXW, FCA, FAS, FOB, CFR, CIF, CPT, CIP, DAF, DES, DEQ, DDU, DDP	N
vehicle_id	Id of vehicle	N4/10	No		N
vehicle_name	description of vehicle	C1/50	Yes		N
weight	shipment weight	F4/9	No	e.g.: 1000.0	N
weight_unit	shipment weight unit	C1/3	No	e.g.: t, kg	N
length	shipment loading meter	F4/9	No		N
length_unit	shipment loading meter unit	C1/3	No	e.g.: m	N
volume	shipment volume	F4/9	No		N
volume_unit	shipment volume unit	C1/3	No	e.g.: cbm	N
route	distance	F4/9	No		N
route_unit	distance unit	C1/3	No	empty or km	N
dlclass	dangerous goods class	C1/100	No		N
dlnumber	Hazardous goods number	C1/100	N		N
storage_position_count	Footprints count	double	No		N
comment	shipment comment	C1/3000	No	Different values can be contained	Y
comment_plain_text	shipment comment	C1/3000	No	Different values can be contained	Y

4.1.4. <item>

Elements	Description	Type/ Length	Manda- tory	Remark	
pos_number	shipper system's number for item	C1/50	No		N
pos_index	serial number	C1/5	No		N
description	shipper system's item description	C1/255	No		N
material_number	shipper system's good identifier	C1/50	No		N
<quantities> <quantity>	see below				N
*At least one of the fields must be set <pos_number>, <description> or <material_number>, otherwise the items will not be exported.					

4.1.5. <quantity>

Elements	Description	Type/ Length	Manda- tory	Example	
qualifier	Qualifier	C1/50	No		N
value	Value	N4/10	No		N
unit	Unit	C1/255	No		N
description	description of qualifier	C1/50	No		N

4.1.6. <parameter> on item level**on item level**

Elements	Description	Type/ Length	Manda- tory	Remark	
qualifier	Qualifier which describes the parameter	C1/100	No	See list of qualifiers	N
value	Value of parameter	C1/4000	No		N
description	Additional description of parameter	C1/4000	No		N

4.1.7. <station type="loading"> and <station type="unloading">

Elements	Description	Type/ Length	Mandatory	Remark	
shipment_id	TRANSPOREON shipment ID	C 1/20	No		Y
avis	text Avis	C1/100	No		N
description	description	C1/50	No		N
company_name	company name	C1/200	No		N
shippers_location_number	station number in the shipper's system	C1/20	No		Y
address	street and number	C1/100	No		Y
zip	postal code	C1/20	No		Y
city	city	C1/100	No		Y
region	region	C1/100	No		N
country_id	country code	C1/2	No		Y
loadingramp	name of ramp/gate	C1/50	No		Y
from_date	loading/unloading window from date	C1/10	No	YYYY-MM-DD	Y
from_time	loading/unloading window from time	C1/8	No	HH:MM:SS	Y
until_date	loading/unloading window until date	C1/10	No	YYYY-MM-DD	Y
until_time	loading/unloading window until time	C1/8	No	HH:MM:SS	Y
transportunit_name	type of loading aid	C1/50	No		N
transportunit_count	amount of loading aid	N4/10	No		N
transportunit_pileable	Transport unit is stackable	C1/1	No	0 or empty = false 1 = true	N
comment	Station comment		No	Different values can be contained	N
comment_plain_text	Station comment			Different values can be contained	N

4.1.8. <parameter> on delivery level

Elements	Description	Type/ Length	Manda- tory	Remark	
qualifier	Qualifier which describes the parameter	C1/100	No	See list of qualifiers	Y
value	Value of parameter	C1/4000	No		Y
description	Additional description of the parameter	C1/4000	No		Y

4.1.9. <offer >

The section <offer> is only available for transports with assignment method “best carrier”.

Elements	Description	Type/ Length	Manda- tory	Remark	
tour_id	TRANSPOREON transport ID	N4/10	Yes		N
timestamp	date and time of offer	C1/19	No	YYYY-MM-DD HH:MM:SS	N
creditor	creditor	C1/20	No		N
disponent_name	name of responsible scheduler	C1/100	No		N
creditor_number	creditor number	C1/20	No		N
price	offer price	F4/9	No	590.00	N
currency_id	currency of offer price	C1/3	No		N
qualifier	Qualifier for offer price		No	ticap, Tonnage	N
comment	offer comment	C1/3000	No	Different values can be contained	N
comment_plain_text	offer comment	C1/3000	No	Different values can be contained	N
binding_until_date	end date of validity of offer	C1/10	No	YYYY-MM-DD	N
binding_until_time	end time of validity of offer	C1/8	No	HH:MM:SS	N
additional_expenses_included	Do not use! Always empty	C	No		N



4.2. Qualifiers for parameters

Please note that these are only examples that can be sent by the shipper. This is not a complete list of all possible qualifiers.

dimension.weight	Weight of goods, used as general declaration for weight if no specification for gross or net weight is used by the shipper.
dimension.weight.net	Net weight of goods (excluding packaging)
dimension.weight.gross	Total weight of goods (including packaging)
dimension.weight.charge d	Charged dimensional/volume weight of goods
dimension.height	Height of goods
dimension.width	Width of goods
dimension.length	Length of goods
dimension.loadingmeter	One loading meter is the specific amount of storage space in a vehicle.: One loading meter has the length of one meter and is as broad as the vehicle's capacity (a normal truck's loading meter is approx. 1m x 2,4m)
dimension.volume	Length x width x height of goods
dimension.area	Square meter of goods
storageposition.count	Number of footprints (= storage positions) in the vehicle (how many storage positions are occupied)
transportunit.count	Number of transportunits (e.g. pallets)
custom.type.packaging	
custom.order.type	

Miscellaneous

4.3. XSD

An XSD file is available for the TRANSPOREON Standard XML format. If you need it, please let us know.

4.3.1. Setup of export

For the setup of the export via ftp we need the following information:

- Export to your ftp server or to our ftp server? If your server, please provide access data.

Units are standardized to the following values. If needed, we can do parameterization with the values given in brackets:

- DimensionUnit: m (alternatively: mm)
- DistanceUnit: km (alternatively: m)
- LengthUnit: m
- VolumeUnit: cubic metre
- WeightUnit: kg (alternatively: t)

Important hint: Updates regarding our XML format

We continuously add new functionality to our platform. This might lead to additions in the interface, because we'd like to provide all information to the carrier. Therefore, from time to time our XML-file will be extended by additional elements. We do not maintain various versions, but change the XML-file for all carriers all at once. Therefore it is important that you implement the further processing of the XML-file in a way, that additional elements do not cause an error in the processing of the data.

4.3.2. Splitting a transport with several deliveries

If you plan to split a transport by the deliveries, please discuss this with your TRANSPOREON project manager. The interface is transport-based. Therefore when splitting the transport into its deliveries, certain issues have to be taken into account to handle modifies.

4.3.3. Ids within elements for TRANSPOREON internal use only

In the elements <item> and <station> internal numbers are listed. Example:

```
<item id="4510319">
<station id="763916" type="loading">
```

These Ids are for TRANSPOREON-internal use only. Please do not use them. They are not intended to be a unique identifier for the item or station.

4.3.4. Date format

When 2000-01-01 is used in date fields, then this means "undefined" or no value given by shipper.