

# CSV file formats

Currently, the **File Importer** accepts only CSV files in UTF-8 encoding, whose format is compatible with the established fields depending on the expected type of freight import. This means that the required and optional fields may differ for each type of freight. This is very important because even a redundant field that is not covered by a given format currently causes an error in the file scheme and does not allow for further processing.

**NOTE:** Therefore, even fields marked as "optional" must be included in the CSV file, while they may remain empty / not completed.

## A basic list of fields that appear in all file formats

Field name	Can it be empty?	Value	Example
Loading-country	no	2 characters ("short_name" from the list "countries"- ISO 3166-1)	"PL"
Loading-postal	no	1-7 characters	"55-080"
Loading-city	no	1-40 characters	"Nowa Wies"
Unloading-country	no	2 characters ("short_name" from the list "countries"- ISO 3166-1)	"DE"
Unloading-postal	no	1-7 characters	"13591"
Unloading-city	no	1-40 characters	"Berlin"
Loading-date	no	DD.MM.YYYY hh:mm	"03.04.2023 16:30"
Unloading-date	no	DD.MM.YYYY hh:mm	"20.04.2023 08:00"
external_shipment_id	yes	0-40 characters	"id/2020/cd/30"
capacity	no	value from 0.01 to 999.99	24
publication_price_currency	no	3 characters ("name" from the list "currencies"- ISO 4217)	"EUR"
publication_price_value	yes	value from 0.01 to 99999.99	100
Vehicle-size	no	number (numeric part "id" from the list "vehicle-sizes")	1
Vehicle-type	no	numbers (numeric part "id" from the list "vehicle-subtypes")	"8,15"
Freight_type	no	"LTL" or "FTL" value	"FTL"
Description	yes	0-2000 characters	"Sample description"
Loading-type	yes	values ("name" from the list "ways-of-loading")	"top,side"
Load-name	yes	0-40 characters	"Load name"
Load-type	yes	value (numeric part "id" from the list "load-types")	1
Load-length	yes	value from 0.01 to 99.99	1
Load-width	yes	value from 0.01 to 10	2
Load-height	yes	value from 0.01 to 10	3
Load-volume	yes	value from 1 to 10000	500
Additional-requirements	yes	numbers (numeric part "id" from the list "additional-requirements")	"1,2,3,7,15"
ADR	yes	values (numeric start "name" from the list "adr-classes")	"1,1.1,1.2"

## Freight from point A to point B

The file contains basic fields. The simplest example with two freights is:

Loading-country,Loading-postal,Loading-city,Unloading-country,Unloading-postal,Unloading-city,Loading-date,Unloading-date,external\_shipment\_id,capacity,publication\_price\_currency,publication\_price\_value,Vehicle-size,Vehicle-type,Freight\_type,Description,Loading-type,Load-name,Load-type,Load-length,Load-width,Load-height,Load-volume,Additional-requirements,ADR  
 PL,51-132,Wroclaw,DE,64100,Dortmund,1.04.2023 16:00,8.04.2023 12:00,id/2020/cd/19,12,EUR,1000,5,1,FTL,,,,,,,,,PL,40-002,Katowice,PL,43-384,Jaworze,1.04.2023 16:00,8.04.2023 12:00,id/2020/cd/19,12,EUR,1000,3,"1,2,8,9,10",FTL,,,,,,,,,

However, if you want to publish freights using automatic rules, you can fill additional fields (optional), which are helpful for better match of the publication rule:

Field name	Can it be empty?	Value	Example
Loading-street	yes	0-100 characters	"Ryszarda Chomicza"
Loading-number	yes	0-15 characters	"11A"
Unloading-street	yes	0-100 characters	"Nennhauser Damm"
Unloading-number	yes	0-15 characters	"170"

Example of two freights with addresses with street name and number:

Loading-country,Loading-postal,Loading-city,Unloading-country,Unloading-postal,Unloading-city,Loading-date,Unloading-date,external\_shipment\_id,capacity,publication\_price\_currency,publication\_price\_value,Vehicle-size,Vehicle-type,Freight\_type,Description,Loading-type,Load-name,Load-type,Load-length,Load-width,Load-height,Load-volume,Additional-requirements,ADR,Loading-street,Loading-number,Unloading-street,Unloading-number  
 PL,51-132,Wroclaw,DE,64100,Dortmund,1.04.2023 16:00,3.04.2023 12:00,id/2020/cd/19,12,EUR,1000,5,1,FTL,,,,,,,,,,,,,Raclawicka,2,Helenenbergweg,3  
 PL,40-002,Katowice,PL,43-384,Jaworze,1.04.2023 16:00,3.04.2023 12:00,id/2020/cd/19,12,EUR,1000,3,"1,2,8,9,10",FTL,,,,,,,,,,,,,Rolna,4,Wapienicka,120

## Multi-stop freight

The file contains basic fields and fields with address data including street and number. The additional "Multistop" field allows defining a given line in the CSV as a point on the route to the above freight.

Field name	Can it be empty?	Value	Example
Loading-street	yes	0-100 characters	"Ryszarda Chomicza"
Loading-number	yes	0-15 characters	"11A"
Unloading-street	yes	0-100 characters	"Nennhauser Damm"
Unloading-number	yes	0-15 characters	"170"
<b>Multistop</b>	yes	0 or 1	1

Some important issues:

1. The order of rows in the CSV file is very important in this case.
2. To publish a freight with multistops, first add a "normal" line with an empty "Multistop" field. Only the next one can be marked as an additional route point.
3. For the row marked as "Multistop" the validation changes, the "main" parameters of freight, such as vehicle type or publication price, are not important. Only the address data and, if applicable, cargo data are important.
4. If "Multistop" contains the address and date of loading, it will be treated as "Added load"; if it contains the address and date of unloading it will be "Partial unloading".
  - a. Of course, "Multistop" may include both unloading and loading, then the order of operations directly results from the dates of these operations.
5. The dates in "Multistop" must be included in the dates of the "main" Freight.

Example of a file with two freights containing multistops:

Loading-country,Loading-postal,Loading-city,Unloading-country,Unloading-postal,Unloading-city,Loading-date,Unloading-date,external\_shipment\_id,capacity,publication\_price\_currency,publication\_price\_value,Vehicle-size,Vehicle-type,Freight\_type,Description,Loading-type,Load-name,Load-type,Load-length,Load-width,Load-height,Load-volume,Additional-requirements,ADR,Loading-street,Loading-number,Unloading-street,Unloading-number,Multistop  
 PL,16-664,Warszawa,DE,64100,Dortmund,01.10.2022 16:00,03.10.2022 12:00,id/2020/cd/19,12,EUR,1000,5,1,FTL,"Please be careful with the load",,"Load name",,,,,,,,,,Legalna,69,Helenenbergweg,3  
 PL,58-100,Świdnica,,,,,01.10.2022 17:00,,,,,,,,,"First added load",,,,,,,,,1  
 DE,04205,Leipzig,,,,,02.10.2022 10:00,,,,,,,,,"Next load",,,,,,,,,,1  
 PL,40-002,Katowice,PL,43-384,Jaworze,01.10.2022 16:00,03.10.2022 12:00,id/2020/cd/19,12,EUR,1000,3,"1,2,8,9,10",FTL,"Attention! Dangerous!",,"Load name",,,,,,,,,,Rolna,4,Wapienicka,120  
 PL,45-094,Opole,PL,45-094,Opole,01.10.2022 17:30,01.10.2022 17:00,,,,,,,,,"Unload part of the load",,"Load name2",,,,,,,,,,1  
 ,,PL,44-335,Jastrzębie-Zdrój,,02.10.2022 10:00,,,,,,,,,"Added load",,"Load name3",,,,,,,,,,1

The first freight in the example is:

Loading in Warsaw -> Added load in Świdnica → Added load in Leipzig → Unloading in Dortmund

The second freight in the example is:

Loading in Katowice -> Unloading in Opole -> Added load in Opole -> Added load in Jastrzębie-Zdrój -> Unloading in Jaworze

## Multi-stop freight with a different type of operation

The file contains a set of fields as for multistop plus an additional "OtherOperationType" field that allows specifying the type of operation, e.g. customs clearance.

**NOTE:** Only rows marked "Multistop = 1" can have a different operation type indicated, because the "main" row always has the first load and the last unload.

Field name	Can it be empty?	Value	Example
OtherOperationType	yes	??? currently any value but it should be included in the list ???	"customs_clearance"

Example of freight with customs clearance

Loading-country,Loading-postal,Loading-city,Unloading-country,Unloading-postal,Unloading-city,Loading-date,Unloading-date,external\_shipment\_id,capacity,publication\_price\_currency,publication\_price\_value,Vehicle-size,Vehicle-type,Freight\_type,Description,Loading-type,Load-name,Load-type,Load-length,Load-width,Load-height,Load-volume,Additional-requirements,ADR,Loading-street,Loading-number,Unloading-street,Unloading-number,Multistop,OtherOperationType  
 PL,16-664,Warszawa,DE,64100,Dortmund,01.09.2022 16:00,03.09.2022 12:00,id/2020/cd/19,12,EUR,1000,5,1,FTL,"Please be careful with the load",,"Load name",,,,,,,,,Legalna,69,Helenenbergweg,3,,  
 PL,58-100,Świdnica,,,,,01.09.2022 17:00,,,,,,,,,"Customs clearance",,,,,,,,,,1,"customs\_clearance"  
 DE,04205,Leipzig,,,,,02.09.2022 10:00,,,,,,,,,"Next loading",,,,,,,,,,1,

## Freights with settlement per ton

The file contains basic fields and extension fields with the type of settlement per ton.

Field name	Can it be empty?	Value	Example
Load-weight	yes *	value from 0.01 to 1000	12
Settlement	nie	number (numeric part "id" from the list "freight-settlement-types")	2
Settlement-basis	no**	number (numeric part "id" from the list "settlement-basis")	1

\* if "capacity" is not empty it will be used to determine the weight of the load

\*\* if "Settlement" is set to "ton", the "Settlement-basis" field cannot be empty.

Example of a file in freight format with settlement per ton or haulage:

Loading-country,Loading-postal,Loading-city,Unloading-country,Unloading-postal,Unloading-city,Loading-date,Unloading-date,external\_shipment\_id,capacity,publication\_price\_currency,publication\_price\_value,Vehicle-size,Vehicle-type,Freight\_type,Description,Loading-type,Load-name,Load-type,Load-length,Load-width,Load-height,Load-volume,Load-weight,Additional-requirements,ADR,Settlement,Settlement-basis  
 PL,51-132,Wroclaw,DE,64100,Dortmund,1.02.2023 16:00,3.02.2023 12:00,id/2020/cd/19,12,EUR,1000,5,1,FTL,,,,,,,,,1,1  
 PL,51-132,Wroclaw,DE,64100,Dortmund,1.02.2023 16:00,3.02.2023 12:00,id/2020/cd/19,12,EUR,1000,5,7,FTL,,,,,,,,,2,2  
 PL,40-002,Katowice,PL,43-384,Jaworze,1.02.2023 16:00,3.02.2023 12:00,id/2020/cd/19,12,EUR,1000,3,"1,2,8,9,10",FTL,,,,,,,,,2,2

## Multi-transport freight (Multi FTL / FTL+)

The file contains basic fields and from point A to point B and part with settlement per ton; extended by the fields related to transport quantity:

Field name	Can it be empty?	Value	Example
total_weight	no	value from 0.01 to 1000	12
schedule_type	no	number (numeric part "id" from the list "scheduling-parties")	1
count	no	value from 1 to 100 000	30
per_order_min	no*	value from 1 to 100 000	5
per_order_max	no*	value from 1 to 100 000	15
proposed_count	no*	value from 1 to 100 000	10

\* can be empty when you do not publish freights (because the data is only needed for publication)

Example of a multi-transport file format:

Loading-country,Loading-postal,Loading-city,Unloading-country,Unloading-postal,Unloading-city,Loading-date,Unloading-date,external\_shipment\_id,capacity,publication\_price\_currency,publication\_price\_value,Vehicle-size,Vehicle-type,Freight\_type,Description,Loading-type,Load-name,Load-type,Load-length,Load-width,Load-height,Load-volume,Additional-requirements,ADR,Loading-street,Loading-number,Unloading-street,Unloading-number,Settlement,Settlement-basis,total\_weight,schedule\_type,count,per\_order\_min,per\_order\_max,proposed\_count  
PL,51-132,Wroclaw,DE,64100,Dortmund,15.04.2023 16:00,16.04.2023 12:00,id/2020/cd/01,12,EUR,1000,5,7,MULTI\_FTL,,,,,,,,,,,,,1,,,1,10,1,5,2  
PL,51-132,Wroclaw,DE,64100,Dortmund,15.04.2023 16:00,16.04.2023 12:00,id/2020/cd/02,12,EUR,1000,5,20,MULTI\_FTL,,,,,,,,,,,,,2,1,180,2,15,1,5,3  
PL,51-132,Wroclaw,DE,64100,Dortmund,15.04.2023 16:00,16.04.2023 12:00,id/2020/cd/03,12,EUR,1000,5,44,MULTI\_FTL,,,,,,,,,,,,,1,,,3,30,1,5,2  
PL,51-132,Wroclaw,DE,64100,Dortmund,15.04.2023 16:00,16.04.2023 12:00,id/2020/cd/04,12,EUR,1000,5,7,MULTI\_FTL,,,,,,,,,,,,,2,2,360,1,30,1,5,2