

CSV format for sending in NMoT information

Description of the file format

Examples

- [NMoT Example v0.4.csv](#)

CSV file format

The file format is CSV. Because there's no standard for CSV some clarification is needed:

- Text file in UTF-8 format with one line for each exchange.
- The information for each exchange is laid out in 18 columns.
- Columns with visit information are duplicate for each exchange.
- The column values can't contain any double quotes (") or semi-colons (;)
- The columns are separated by a semi-colon (;)
- The first line of the file is ignored. It's assumed this line contains the column headers.
- Empty lines are ignored.

Three of the columns contain a date and time:

- These have to precisely follow the format "YYYY-MM-DDThh:mm:ss±hh:mm" or "YYYY-MM-DDThh:mm:ssZ" from the ISO 8601 standard.
- For example: "2018-08-25T08:00:00+02:00", or "2018-01-09T06:00:00Z", in CEST or "2018-01-09T09:00:00+01:00", or "2018-01-09T08:00:00Z", in CET.

Explanation of the columns

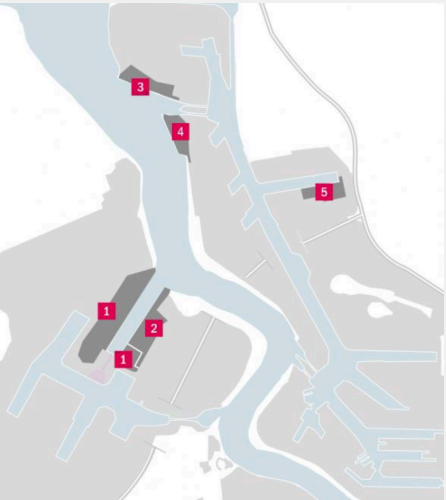
Column	Header	Explanation	Formatting	Usage
1	Container number	ISO number of the container	ISO number	Mandatory
2	Bill of lading	BL number	Format decided by the carrier giving out the BL. The value does not get validated.	Mandatory for forwarders, optional for operators
3	IMO	Ship IMO number	IMO international formatting	Mandatory
4	ETA ocean vessel	ETA of the ocean vessel (linked to IMO)	YYYY-MM-DDThh:mm:ss±hh:mm or YYYY-MM-DDThh:mm:ssZ	Mandatory
5	Shipping line	Shipping line	International SCAC code	Mandatory when no BL number is given
6	PortLoCode	Locode of the Port where the exchange will occur	Official UN Locode	Mandatory
7	Terminal	Terminal code	See the section "Terminal codes" below.	Mandatory
8	NMoT	Next mode of transport	"barge", "rail" or "truck"	Mandatory
9	Transport operator name	Identification of the transport operator	Free formatting, preferably discussed with terminals	Optional
10	Transport operator VAT	Identification of the transport operator	VAT format, country specific. E. g. BE0563.901.487	Optional

11	Transport operator NxtPort ID	Identification of the transport operator	NxtPort formatted ID: E.g. NXT17000000132	Optional
12	Conveyance ID	ENI number barge	Official ENI number formatting	Optional
13	Voyage	BTS call number	BTS voyage call number formatting	Optional
14	ET pickup	Estimated time of pickup at terminal	YYYY-MM-DDThh:mm:ss±hh:mm or YYYY-MM-DDThh:mm:ssZ	Mandatory for operators, optional for forwarders
15	ET final delivery	Estimated time of final delivery	YYYY-MM-DDThh:mm:ss±hh:mm or YYYY-MM-DDThh:mm:ssZ	Mandatory for forwarders, optional for operators
16	Destination locode	Locode of the destination terminal	Official UN Locode	Mandatory for operators, optional for forwarders
17	Destination terminal code	Terminal code of the destination terminal	Terminal code format commonly in use	Mandatory for operators, optional for forwarders
18	Connecting vessel	The connecting vessel for a transshipment	IMO international formatting	Optional: to be used for transshipments

Terminal codes

Terminal codes are needed to link the exchanges with the right terminal. Use the BICS codes. (URL: <https://www.binnenvaart.org/terminal-codes/>)

For containers the participating terminals are:

	Container terminal	BICS
	1. MSC PSA European Terminal (MPET)	01718 01742
	2. DP World Antwerp Gateway Terminal	01700
	3. PSA Noordzee Terminal	0S913
	4. PSA Europa Terminal	0S869

Mapping of the columns to the standard format

This is the structure of the standard preannouncement format for NxtPort. As you can see the CSV format only supports the most used fields, not all of them. The columns from the CSV file are listed next to their counterpart in the standard format. The column number (1-17) and column header are shown.

- header
 - sender
 - nxtEntityId (derived from the access token used to send in the NMOT)
- body
 - preannouncement
 - visit
 - location
 - locode = (6) **PortLoCode**
 - terminalCode = (7) **Terminal**

- time
 - start
 - end
 - expectedTime = (14) **ET Pickup**
 - priority (smaller number indicates higher priority, for NMOT's with the same pickup time)
- conveyance
 - modus = (8) **NMoT**
 - identifier = (12) **Conveyance Id**
 - name
 - voyage = (13) **Voyage**
 - call (for barge the BTS barge call number, for rail the rail visit number)
 - operator
 - NxtEntityId = (11) **Transport Operator NxtportId**
 - identifier
 - name = (9) **Transport Operator Name**
 - vat = (10) **Transport Operator Vat**
 - eori
- exchanges (array of exchange elements)
 - equipment
 - equipmentType = "container"
 - identifier = (1) **Container Number**
 - consignment
 - seaVoyage
 - blNumber = (2) **Bill Of Lading**
 - cargoAgent
 - agentCode
 - scacCode = (5) **Shipping Line**
 - vessel
 - imo = (3) **Imo**
 - name
 - vesselStay
 - stayNumber
 - eta = (4) **ETA Ocean Vessel**
 - connectingVessel
 - imo = (18) **Connecting Vessel**
 - etd
 - nextDestination
 - locode = (16) **Destination Locode**
 - terminalCode = (17) **Destination Terminal Code**
 - finalDelivery
 - start = (15) **ET Final Delivery**
 - end
 - expectedDuration (minutes)