

Sharing of train tracking and Estimated Time of Arrival (ETA) information

CEF Action nr 2016-EU-TA-0185-S



Electronic exchange of **E**stimated **T**ime of **A**rrival information



Co-financed by the European Union

Connecting Europe Facility



A. Making rail freight a more attractive option

2. In order to improve operational efficiency of the logistics chain, the sector representatives commit themselves to implementing the TAF TSI functions according to the Masterplan and working toward a common ICT architecture wherever possible. IMs will integrate **international traffic management information (e.g. via TIS)** with national systems. Under the protection of confidentiality clauses, **IMs and RUs agree to make information on estimated time of arrival available (for handover points and final destination) to their contract partners, including terminals and intermodal operators** for optimizing the use of resources such as rolling stock and terminal capacity, and to provide freight forwarders and shippers with up-to-date information about the status of their freight and an estimated time of arrival.

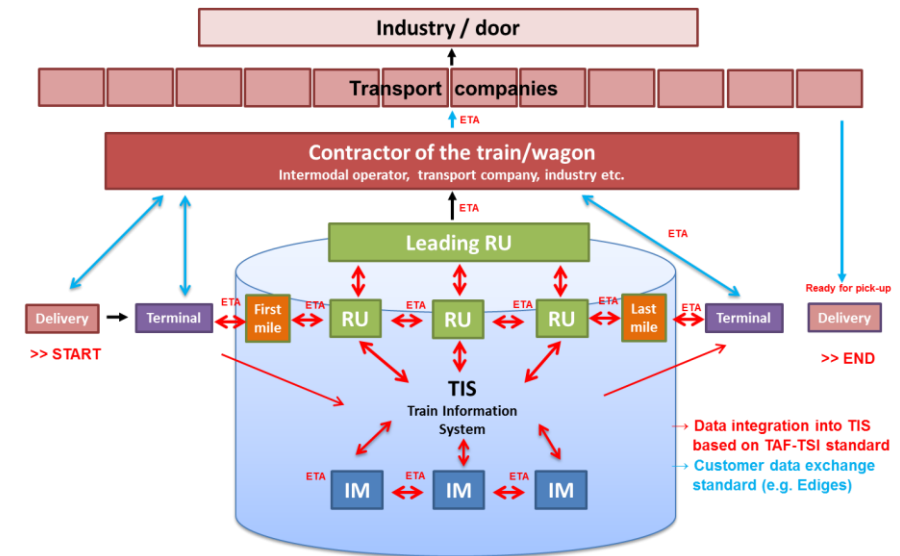
ELETA objective



1. to demonstrate the practical value of streamlining exchange of ETA data on the basis of existing intermodal freight trains.
2. to encourage and facilitate the work done by the sector, member states and the European institutions for eliminating legal, operational and technical obstacles in the electronic exchange of ETA information.

ELETA approach

- Intermodal operators in leading role; IM's, RU's and RNE actively involved
- Selection of already running intermodal shuttle trains
- No new big new database, but interfaces to already existing TAF-TSI/TIS information



ELETA partners



ELETA intermodal trains



Route	Train service
7	Antwerp (BE) – Busto Arsizio (IT) <ul style="list-style-type: none">- Route via <u>Chiasso</u>- Route via Domodossola- Route via <u>Spiez</u>
8	Rotterdam (NL) – Busto Arsizio (IT)



ELETA intermodal trains



Route	Train service
9	Ludwigshafen (DE) – Busto Arsizio (IT) - via Domodossola - via <u>Chiasso</u>
10	Rotterdam (NL) – Novara (IT) - Via Domodossola



ELETA intermodal trains



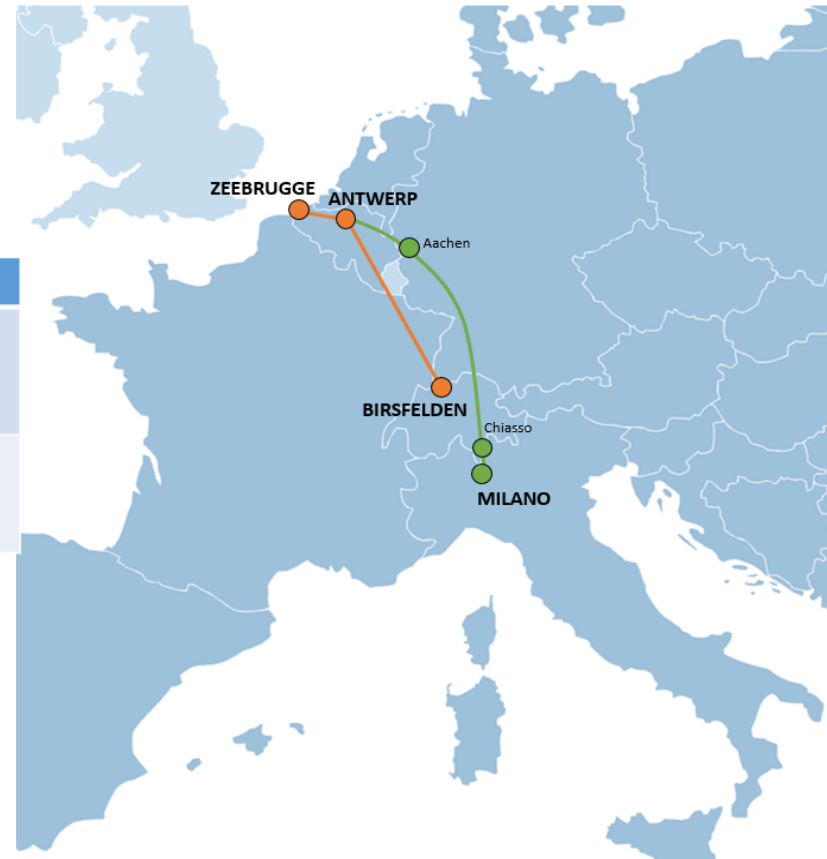
Route	Train service
1	Ludwigshafen (DE) – Barcelona (ES)
2	Köln (DE) – Verona (IT)



ELETA intermodal trains



Route	Train service
5	Antwerp (BE) – Milano <u>Segrate</u> (IT)
6	<u>Zeebrugge</u> /Antwerp (BE) – Basel <u>Birsfelden</u> (CH)



ELETA intermodal trains



Route	Train service
3	Charleroi (BE) – Torino (IT)
4	Duisburg (DE) – <u>Pomezia</u> (IT)



ELETA intermodal trains



Rail Cargo Operator
Member of ÖBB

Route	Train service
11	Rotterdam (NL) – Wolfurt (AT)
12	Rotterdam (NL) – Linz (AT)



ELETA activities



N°	Title	Start date	End Date
1	Survey and system analysis of current situation in tracking data exchange in Road-Rail Combined Transport	01-09-2017	28-02-2018
2	Survey of legal conditions in tracking data exchange	01-10-2017	28-02-2018
3	Inventory of stakeholders' requirements for an ETA eco-system	01-09-2017	31-03-2018
4	Assessment of ICT systems and standards to be linked	01-09-2017	31-03-2018
5	Elaboration of functional requirements and architecture for the ETA ecosystem	01-02-2018	30-09-2018
6	Conceptual design of smart ETA algorithms	01-02-2018	30-09-2018
7	Programming and testing of software applications and user interfaces	01-09-2018	30-06-2019
8	Impact assessment of the ETA ecosystem	01-04-2019	31-07-2019
9	Project Management and Communication	01-09-2017	31-08-2019



ELETA preparatory activities (february/august 2017)

7 March 2017, Brussels – General Assembly of Project Applicants

4 April 2017, Vienna - Meeting RNE on process definition

- Definition of cooperation with RNE on ETA actions
- Position of ELETA stakeholders (RU's) as regards to exchange of TIS-data
- Linkage through RNE with TAG-RFC 1 action Last mile data exchange

7 June 2017, München: process definition – project stakeholders

26 June 2017, Busto/Milan: South terminals – terminal management

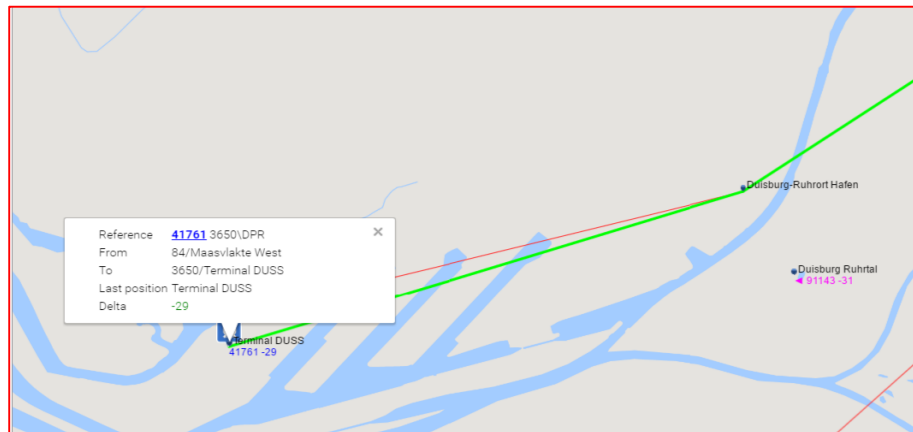
28 June 2017, The Hague: North terminals – terminal management

ELETA preliminary findings

(february/august 2017)



- *Permissions/authorisation for sharing data. (RNE framework agreement)*
- *Intermodal operators and some terminals not linked to TIS.*
- *Change of train numbers at borders (there is no unique train numbering).*
- *Terminals and their (common) user interfaces (the sector has invested in costly work arounds)*
- *Showing the whole train journey (not only the IM network/network entry point)*



First-Last Mile: User Interface – Terminal Trip

Train Search Options

Timeframe: 09/03/2017 18:20:00 +01:00

+/- 3 hours

Message Creation Steps

- 1 Direction: First Mile Last Mile
- 2 IM Point: 0080\12617\EDRH\Duisburg-
- 3 Train: 41488 from Gądko
- 4 Terminal Point: 3650\80004\DUSS\Terminal I
- 5 Estimated Time of Arrival (HH:mm): 12:45

Delta (e.g. +16): 25

ELETA next events



- Digital Days TEN-T - signature of Grant Agreement (8 November 2017, Tallinn)
- Rail Freight Day (7 December 2017, Vienna).
- External Expert Advisory Board, composed of persons with expertise and interest in the ETA-subject (22 February 2018).

Thank you for your attention and support



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