

TIS for Terminals

RFC NSM TAG : May 30th



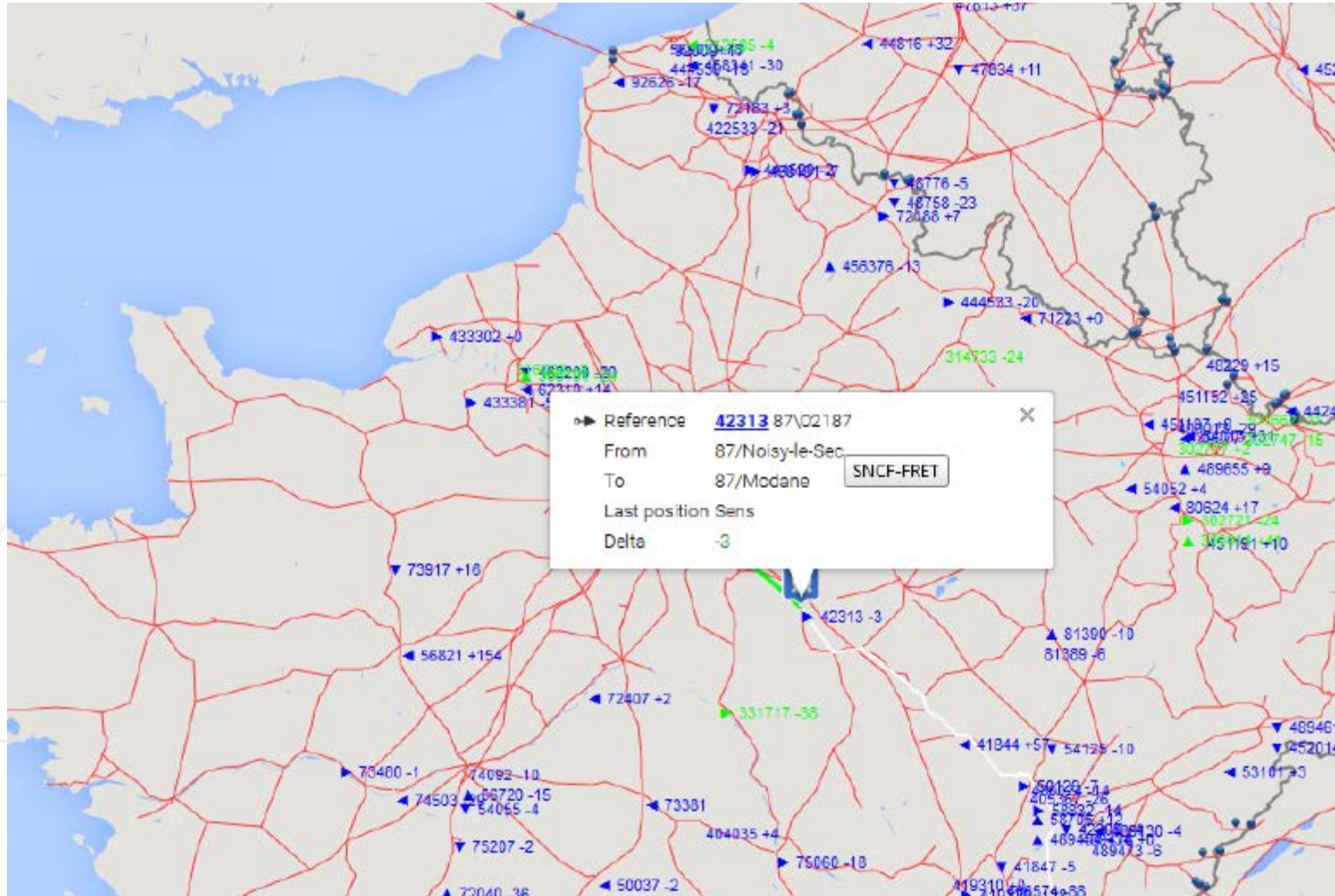
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TIS for Terminals

1. TIS (Transport Information System)
2. The Terminal Trip function (POC at this stage)
3. For more information

TIS is a system for real time for international train run monitoring



easier, faster, safer

TIS has a train search function and gives precise and real time information for each train

- TIS is used by 25 IM's (cf. RNE web site for full list), and of course the Terminals can have access to TIS
- The "Terminal Trip" function enable the Terminals to take part and provide train running information at the terminal

Train information View Configuration TCCCom EPR Send Dashboard Corridors Info

International Train Number	Last Position	Status	Delta	From Point	Y.SCHIJN 07/09/2015 16:58:00
41882	Strasbourg-Port-du-Rhin 08/09/2015 05:32:38	Arrival terminal	-95	To Point	Strasbourg-Port-du-Rhin 08/09/2015 07:08:00

IM	Point Name	Service Number	Contracted TT	CTT Point Status	RT/FC	Delta	RA Point Status	RU Code	RU	Sub SI Forecast	Forecast D
88	Y.SCHIJN	41882	07/09/2015 16:58:00	origin depart...	07/09/2015 17:19:00	21	origin depart...	2188	0088 B-Logistics	AN...	
88	YLEOPOLD	41882	07/09/2015 17:10:00	run-through	07/09/2015 17:31:00	21		2188	0088 B-Logistics		
88	ANTWERPEN-NOORD...	41882	07/09/2015 17:23:00	run-through	07/09/2015 17:44:00	21		2188	0088 B-Logistics		
88	ANTWERPEN-NOORD...	41882	07/09/2015 17:32:00	run-through	07/09/2015 17:48:42	16	run-through	2188	0088 B-Logistics		
88	ANTWERPEN-NOORD...	41882	07/09/2015 17:33:00	run-through	07/09/2015 17:49:00	16		2188	0088 B-Logistics		
88	ANTWERPEN-NOORDE...	41882	07/09/2015 19:22:00	run-through	07/09/2015 19:22:12	0	run-through	2188	0088 B-Logistics		
88	ANTW-OOST	41882	07/09/2015 19:28:00	run-through	07/09/2015 19:29:04	1	run-through	2188	0088 B-Logistics		
88	Y.QBERCHEM	41882	07/09/2015 19:29:00	run-through	07/09/2015 19:30:20	1	run-through	2188	0088 B-Logistics		
88	KONTICH	41882	07/09/2015 19:38:00	run-through	07/09/2015 19:37:20	0	run-through	2188	0088 B-Logistics		
88	YHEVER	41882	07/09/2015 19:53:00	run-through	07/09/2015 19:51:10	-1	run-through	2188	0088 B-Logistics		
88	YLEUVEN-BUNDEL M	41882	07/09/2015 20:12:00	run-through	07/09/2015 20:03:48	-8	run-through	2188	0088 B-Logistics		
88	LEUVEN	41882	07/09/2015 20:15:00	run-through	07/09/2015 20:06:07	-8	run-through	2188	0088 B-Logistics	LE...	

International Train Number Departure Time

From 08/09/2015 00:00

To 10/09/2015 23:59

Result count: 8

Train number	From	Time (from)	Delta (from)	To
(2) 41882	Y.SCHIJN	07/09/2015 16:58:00	+21	Strasbourg-Port-du-Rhin
41882	Y.SCHIJN	07/09/2015 16:58:00	+21	AUBANGE-FRONTIERE-SNCF
41882	Mont-St-Martin	08/09/2015 00:20:00	-48	Strasbourg-Port-du-Rhin
(2) 49227	Kehl	08/09/2015 04:29:00	+167	Strasbourg-Port-du-Rhin
(2) 41882	Y.SCHIJN	08/09/2015 17:30:00	+31	Strasbourg-Port-du-Rhin
(2) 49227	Kehl	08/09/2015 04:29:00	+231	Strasbourg-Port-du-Rhin
39885	Strasbourg-Neudorf	09/09/2015 09:55:00	+13	Strasbourg-Port-du-Rhin
48480	Mont-St-Martin	09/09/2015 05:48:00	+51	Strasbourg-Port-du-Rhin
304135	Strasbourg-Ville	09/09/2015 15:32:00	+2	Strasbourg-Port-du-Rhin
304541	Hausbergen-Triage	09/09/2015 17:56:00	+3	Strasbourg-Port-du-Rhin






TIS for Terminals

1. TIS (Transport Information System)
2. The Terminal Trip function (POC at this stage)
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2. The Terminal Trip function (POC at this stage)

First-Last Mile: Messages and Facilities – Terminal Trip

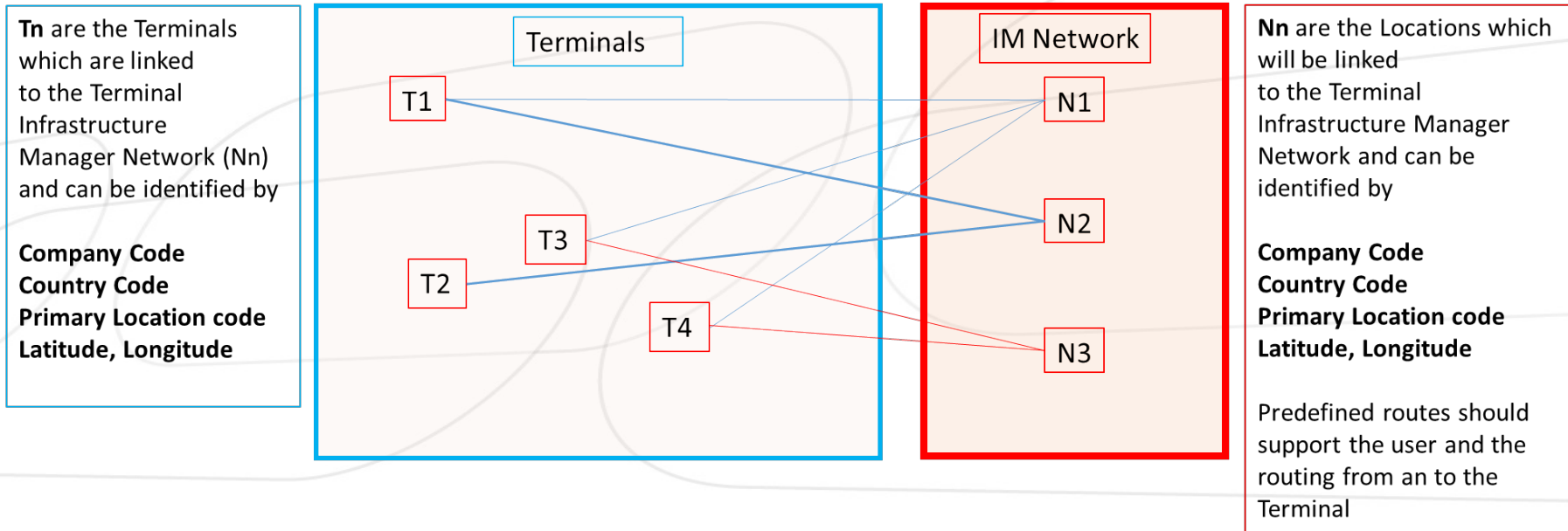
TIS - Messages along the whole Train Journey

First Mile Traction Type (Shunting Trip or Train Loco)		Train Journey	Last Mile Traction Type (Shunting Trip or Momentum Energy)	
Terminal	Terminal Trip	Network IM	Terminal Trip	Terminal
				
Loading completed	Forecast Running advice	Path Details – Forecast - Running advice – Delay Codes – Path Section Modification - Interruption	Forecast Running advice	Ready for Unloading

2. The Terminal Trip function (POC at this stage)

First-Last Mile: The terminals are linked to IM's

Terminal Infrastructure Manager (TIM) and Infrastructure Manager (IM)



2. The Terminal Trip function

User interface : terminals will be able to provide the Train Running Information

The screenshot displays the 'Terminal Trip' web application interface. At the top, there is a navigation bar with the title 'Terminal Trip' and several menu items: 'View', 'Configuration', 'TCCCom', 'EPR', 'Send', 'Dashboard', 'Corridors', and 'Info'. Below the navigation bar, the interface is divided into several sections:

- Train Search Options:** Includes a 'Timeframe +/-' field set to '3' hours.
- From/To:** Two date and time pickers. 'From' is set to '08/02/2017 00:00:00 +01:00' and 'To' is set to '08/02/2017 23:59:59 +01:00'.
- Message Creation Steps:** A vertical list of four steps: 1. Trainrun Point, 2. Train, 3. Terminal Point, and 4. Estimated Time of Arrival (HH:mm). The 'Terminal Point' field is currently set to '\\Terminal B'.
- Terminal In/Out:** Two blue arrows labeled 'Terminal In' and 'Terminal out' point towards each other, indicating a selection process.
- Message Type:** A dropdown menu is open, showing options: 'Train Running', 'Forecast', 'Train Ready - Ready for unloading', and 'Train Ready . Loading completed'. A red arrow points to this dropdown.
- Explanatory Text:** Two green-bordered boxes provide instructions: 'If terminal in is chosen, TR: Ready for unloading will be display in the message drop down list' and 'If terminal out is chosen, TR: Loading completed will be display in the message drop down list'.

2. The Terminal Trip function

User interface : Terminals will be able to provide the Train Running Information

Point Name	Contracted TT	CTT Point Status	RT/FC	Delta	Send RA	RA Point Status	Forecast	Forecast D	Service Numbe IM	RU Code
Emmerich	07/02/2017 18:35:48 +01:00	arrival	07/02/2017 18:31:19 +01:00	-4		arrival			41761 80	F3249
Emmerich	07/02/2017 18:51:36 +01:00	departure	07/02/2017 18:31:19 +01:00	-20		departure			41761 80	F3249
Praest	07/02/2017 18:58:06 +01:00	run-through	07/02/2017 18:35:14 +01:00	-23		run-through			41761 80	F3249
Wesel	07/02/2017 19:20:18 +01:00	run-through	07/02/2017 18:53:51 +01:00	-26		run-through			41761 80	F3249
Dinslaken	07/02/2017 19:30:36 +01:00	run-through	07/02/2017 19:02:18 +01:00	-28		run-through			41761 80	F3249
Oberhausen Mathilde	07/02/2017 19:41:12 +01:00	run-through	07/02/2017 19:12:28 +01:00	-29		run-through			41761 80	F3249
Oberhausen West Oro	07/02/2017 19:40:06 +01:00	run-through	07/02/2017 19:12:28 +01:00	-28		run-through			41761 80	F3249
➤ Duisburg-Ruhrort Hafen	07/02/2017 19:51:00 +01:00	terminal arrival	07/02/2017 19:22:16 +01:00	-29		terminal arrival			41761 80	F3249
Terminal DUSS	07/02/2017 21:51:36 +01:00	terminal arrival	07/02/2017 21:20:00 +01:00	-29	<input type="checkbox"/>	terminal arrival	07/02/2017 21:20:00 +01:00	-29	41761 3650	DPR

2. The Terminal Trip function (POC at this stage)

User interface : Forecast Message Information Terminal Arrival

Point Name	Contracted TT	CTT Point Status	RT/FC	Delta	Send RA	RA Point Status	Forecast	Forecast D	Service Number	IM	RU Code
Emmerich	07/02/2017 18:35:48 +01:00	arrival	07/02/2017 18:31:19 +01:00	-4		arrival			41761	80	F3249
Emmerich	07/02/2017 18:51:36 +01:00	departure	07/02/2017 18:31:19 +01:00	-20		departure			41761	80	F3249
Praest	07/02/2017 18:58:06 +01:00	run-through	07/02/2017 18:35:14 +01:00	-23		run-through			41761	80	F3249
Wesel	07/02/2017 19:20:18 +01:00	run-through	07/02/2017 18:53:51 +01:00	-26		run-through			41761	80	F3249
Dinslaken	07/02/2017 19:30:36 +01:00	run-through	07/02/2017 19:02:18 +01:00	-28		run-through			41761	80	F3249
Oberhausen Mathilde	07/02/2017 19:41:12 +01:00	run-through	07/02/2017 19:12:28 +01:00	-29		run-through			41761	80	F3249
Oberhausen West Oro	07/02/2017 19:40:06 +01:00	run-through	07/02/2017 19:12:28 +01:00	-28		run-through			41761	80	F3249
► Duisburg-Ruhrort Hafen	07/02/2017 19:51:00 +01:00	terminal arrival	07/02/2017 19:22:16 +01:00	-29		terminal arrival			41761	80	F3249
Terminal DUSS	07/02/2017 21:51:36 +01:00	terminal arrival	07/02/2017 21:20:00 +01:00	-29	<input type="checkbox"/>	terminal arrival ▼	07/02/2017 21:20:00 +01:00	-29	41761	3650	DPR

2. The Terminal Trip function (POC at this stage)

User interface :

Running Advice Message: Information Terminal Arrival confirmed

Point Name	Contracted TT	CTT Point Status	RT/FC	Delta	Send RA	RA Point Status	Forecast	Forecast D	Service Numbe IM	RU Code
Emmerich	07/02/2017 18:35:48 +01:00	arrival	07/02/2017 18:31:19 +01:00	-4		arrival			41761 80	F3249
Emmerich	07/02/2017 18:51:36 +01:00	departure	07/02/2017 18:31:19 +01:00	-20		departure			41761 80	F3249
Praest	07/02/2017 18:58:06 +01:00	run-through	07/02/2017 18:35:14 +01:00	-23		run-through			41761 80	F3249
Wesel	07/02/2017 19:20:18 +01:00	run-through	07/02/2017 18:53:51 +01:00	-26		run-through			41761 80	F3249
Dinslaken	07/02/2017 19:30:36 +01:00	run-through	07/02/2017 19:02:18 +01:00	-28		run-through			41761 80	F3249
Oberhausen Mathilde	07/02/2017 19:41:12 +01:00	run-through	07/02/2017 19:12:28 +01:00	-29		run-through			41761 80	F3249
Oberhausen West Oro	07/02/2017 19:40:06 +01:00	run-through	07/02/2017 19:12:28 +01:00	-28		run-through			41761 80	F3249
➤ Duisburg-Ruhrort Hafen	07/02/2017 19:51:00 +01:00	terminal arrival	07/02/2017 19:22:16 +01:00	-29		terminal arrival			41761 80	F3249
Terminal DUSS	07/02/2017 21:51:36 +01:00	terminal arrival	07/02/2017 21:22:36 +01:00	-29	<input type="checkbox"/>	terminal arrival ▼			41761 3650	DPR

2. The Terminal Trip function (POC at this stage)

Management Summary

Network Configuration (Terminal environment and transfer points)

- The Terminal Network can be set up in TIS
- Precondition: RICS company code of the Terminal Infrastructure and Terminal Railway Undertakings

Train Portfolio

- National and international trains, provided by the IM involved (25 Infrastructure Managers)

Message portfolio of the Terminal (manual input at the moment)

- Train Running Information (actual time)
- Forecast Message (Prognosis Time of Arrival)
- Loading Status (Ready to unload – inbound)
- Loading Status (Loading completed – outbound)
- Train Delay Code (optional)

Loading status: TAF TSI Message “Train Ready” to be modified and used

User Interface modifications:

- Existing smart and simple interface for desktops and mobile devices will be adapted accordingly

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How can a terminal be connected to TIS?

1. Contact RailNetEurope, the owner of the system
support.tis@rne.eu (Josef Stahl)
2. Get 2 to 3 months trial period
3. Contractualise with RailNetEurope

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