

Good Practice N°05

# Train monitoring platform Turkey - Germany

Schenker RLF Vienna, 04/2013

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## Good Practice N°05: Train monitoring platform Turkey-Germany

### Good practice form

Good practice name	Train monitoring platform Turkey-Germany
Type	(1) Market requirements (5) ICT / data exchange
Involved actors	(1) Intermodal operator (2) Railway operator (5) Logistics service provider (6) Forwarder
Commercial / Functional application area	Web-based train monitoring and information platform for information exchange on the corridor Turkey-Germany.
Geographical application area	Corridor Germany - Turkey
Status / Time period	In operation
COSMOS contact	Robert Berkovics (Schenker RLF Vienna) email: robert.berkovics@schenger.at phone: +43 5 7686 215530

### Introduction (summary)

The access to up-to-date transport information is a long-standing requirement of rail freight customers. It is specifically important for the automotive sector. In response to these customer requirements an IT based train monitoring platform was developed and introduced for automotive logistics trains on the axis Germany – Turkey (“Türkei Plattform”). The platform provides a high grade of transparency about the train building and operation status.

The main challenge for monitoring, planning and modifying any service parameters was the involvement of numerous partners. On one hand it is necessary, that all partners have a certain information level, on the other hand coordination between partners with regard to any decision should be streamlined in order to reach an acceptable reaction time to any change requests.

The proposed information & coordination concept is therefore designed according to the following principles:

- **Direct Communication**  
between operation partners and
- **Pro-active information**  
towards contracting RU

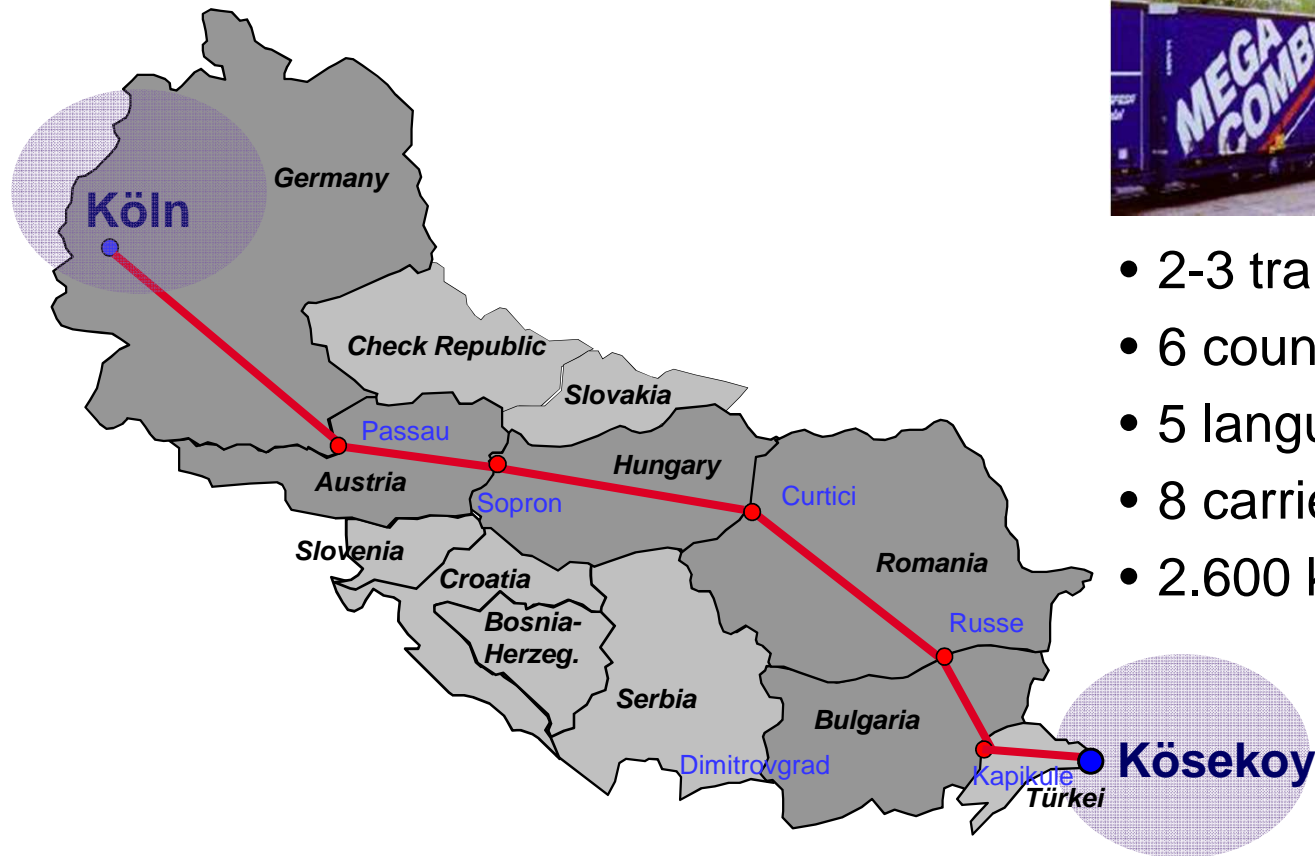
The internet based platform is developed and provided by Schenker Rail Logistic Forwarding. All partners, involved in the traffic have access to the platform and are authorised to pro-actively enter information into the system.

All regular trains are listed in this platform by Transfesa. In case of any deviations of a regular train, each partner is obliged to enter detailed information in the platform to guarantee that all cooperating operation partners and customers are informed accordingly.

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Starting position – “Just-in-time” automotive supply chain

## Transfesa train Turkey-Germany



- 2-3 trains/week
- 6 countries
- 5 languages
- 8 carriers
- 2.600 km

Source: Schenker RLF

### Starting position (gaps and challenges)

#### **Gaps**

- Lack of information about delays
- Lack of information about deviations
- Delays due to missing information
- No tracking & tracing service offered to customer(s)

#### **Challenge**

The challenge was to keep all involved partners and also the customer on the same information level.

### Concept and components – web based IT platform

#### **Basic goals and principles**

- Increase service to customers
- Ensure reliable information flows between the involved partners
- Allow easy (= simple + fast) management of information flows to avoid additional administrative work efforts:
  - Easy system handling
  - Practicable overviews
  - Useful information is already visible after login
- Make information and deviations visible for all involved partners at the same time.
  - There is no need for any additional communication.

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## Concept and components – web based IT platform

### Monthly train program (screenshot)

Gebuchte Aufträge - Monatsübersicht

[Zugübersicht](#) | [Ausgereichte Wagen](#) | [Einreihung](#) | [Suche](#) | [Aufträge](#) | [Monatsauswer](#)

05/2013 ▾

	TFK	TFD		TFK	TFD		TFK	TFD		TFK	TFD		TFK	TFD	
<b>Montag</b>			06.05.2013	TFK038.1		13.05.2013	TFK043.1		20.05.2013	TFK048.1		27.05.2013	TFK053.1		
<b>Dienstag</b>			07.05.2013	TFK039.1	TFD035.1	14.05.2013	TFK044.1	TFD039.1	21.05.2013	TFK049.1	TFD043.1	28.05.2013	TFK054.1	TFD047.1	
<b>Mittwoch</b>	01.05.2013	TFK035.1	TFD032.1	08.05.2013	TFK040.1	TFD036.1	15.05.2013	TFK045.1	TFD040.1	22.05.2013	TFK050.1	TFD044.1	29.05.2013	TFK055.1	TFD048.1
<b>Donnerstag</b>	02.05.2013	TFK036.1	TFD033.1	09.05.2013	TFK041.1	TFD037.1	16.05.2013	TFK046.1	TFD041.1	23.05.2013	TFK051.1	TFD045.1	30.05.2013	TFK056.1	TFD049.1
<b>Freitag</b>	03.05.2013	TFK037.1	TFD034.1	10.05.2013	TFK042.1	TFD038.1	17.05.2013	TFK047.1	TFD042.1	24.05.2013	TFK052.1	TFD046.1	31.05.2013	TFK057.1	TFD050.1
<b>Samstag</b>	04.05.2013			11.05.2013			18.05.2013			25.05.2013					

- = Zug storniert
- = Heute
-  = Wagenliste anzeigen

Source: Schenker RLF



# Good Practice N°05: Train monitoring platform Turkey-Germany

## Concept and components – web based IT platform

### Train overview (screenshot)

Zugübersicht Zugübersicht | [Ausgereichte Wagen](#) | [Einreihung](#) | [Suche](#) | [Au](#)

Richtung

Datum AV	Pos. Nr. AV	Letzter Eintrag	Bemerkungen	Lauf- überwachung	Wagenliste Ausreihen/NV	Zugaus- wertung	Kommu- nikation
12.12.2012	TFD099						
07.12.2012	TFD098						
05.12.2012	TFD097	Svilengrad	Schenker Bulgarien: wag 452-2 will be attached in svilengrad / switch wag 409-2				
30.11.2012	TFD096	Passau	Schenker Bulgarien: please wag list! . wag 522 detached in svilengrad , refugees into WAB , border authorities police, stopped wagon/. Please we need new cored cable in svilengrad for this wagon, police take it as evidence of proof SAR: 528-9 destination Schweinfurt Schenker Bulgarien: new rope in Kapikule, will be delivered to Svilengrad after 18 h , Schenker Bulgarien: attached wag 469-6 from 095 Transfesa: Please send us official Police report and Pictures if possible!				
28.11.2012	TFD095	Köln Niehl	SAR: 474-6, 518-0 destination Schweinfurt Servtrans: ETA Curtici: 02.12.2012 at around 1:00 a.m. Schenker Bulgarien: 3 wagons detached in Gorna Orjahovica pin bolts				

= Nächster Zug  
 = Laufüberwachung  
 = Wagenliste: Ausreihungen vornehmen & Nachträgliche Verfügungen einsehen  
 = Wagenliste wurde verändert  
 = Zugauswertung anzeigen

Source: Schenker RLF

# Good Practice N°05: Train monitoring platform Turkey-Germany

Concept and components – web based IT platform

## Train run monitoring (screenshot)

Zug TFD095 / 28.11.2012

Bahnhof	Ankunft Soll		Ankunft Ist		Abfahrt Soll		Abfahrt Ist		<a href="#">Wagenliste</a>
	Datum	Uhrzeit	Datum	Uhrzeit	Datum	Uhrzeit	Datum	Uhrzeit	
Köseköy					Mi, 28.11.2012	21:38	28.11.2012	19:30	
Kapikule	Do, 29.11.2012	18:39	29.11.2012	02:00	Do, 29.11.2012	21:57	29.11.2012	19:00	
Svilengrad	Do, 29.11.2012	22:22	29.11.2012	20:00	Fr, 30.11.2012	01:10	29.11.2012	23:05	
Ruse	Fr, 30.11.2012	13:05	01.12.2012	00:55	Fr, 30.11.2012	15:00	01.12.2012	02:10	
Giurgiu Nord	Fr, 30.11.2012	15:25	01.12.2012	02:35	Fr, 30.11.2012	17:20	01.12.2012	03:00	
Curtici	Sa, 01.12.2012	13:50	02.12.2012	01:45	So, 02.12.2012	01:01	02.12.2012	04:19	
Lökösháza	Mo, 03.12.2012	00:16	02.12.2012	04:10	Mo, 03.12.2012	00:29	02.12.2012	04:35	
Győr	Mo, 03.12.2012	07:40	02.12.2012	14:55	Mo, 03.12.2012	07:44	02.12.2012	15:12	
Sopron	Mo, 03.12.2012	09:09	02.12.2012	16:55	Mo, 03.12.2012	14:25	03.12.2012	08:53	
Ebenfurth	Mo, 03.12.2012	15:08	03.12.2012	14:36	Mo, 03.12.2012	17:33	03.12.2012	17:24	
Passau	Mo, 03.12.2012	22:51	03.12.2012	22:50	Di, 04.12.2012	00:19	04.12.2012	00:15	
Köln Eifeltor	Di, 04.12.2012	14:24	04.12.2012	14:00	Mi, 05.12.2012	00:01	04.12.2012	22:31	
Köln Niehl	Mi, 05.12.2012	00:33	04.12.2012	23:02					

Speichern

Eingabeformat Datum: TT.MM.JJJJ, Eingabeformat Zeit: SS:MM

<b>Bemerkungen</b>	<p>SAR: 474-6, 518-0 destination Schweinfurt          Servtrans: ETA Curtici: 02.12.2012 at around 1:00 a.m.          Schenker Bulgarien: 3 wagons detached in Gorna Orjahovica pin bolts</p>
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Source: Schenker RLF

### Application cases – practical experience (example)

- Due to refugees on a swap body, a wagon was stopped by the customs authorities at the border between Turkey and Bulgaria.
- We were able to inform our customer immediately via the web-based platform
- No extra communication was necessary. All involved partners got the same information in the same time.
- An alternative transport was organised for the swap body: The swap was reloaded on a truck and the client got his goods without delay.
- No extra costs (e.g. due to production stop) occurred at the clients side.

### Conclusions and benefits - summary

- The web-based train monitoring platform enables DB Schenker / Schenker RLF and partners to react in a very quick and easy way in case of deviations.
- All involved railway companies are now able to plan their production processes in a better way as they have all the same information level on the actual operation status.
- No additional communication is necessary.
- Customers benefit from prompt information and an increased service level.
- In case of deviations, alternative transport solutions can be planned immediately without losing time.
- Due to historical data it is possible to identify critical operation points and elaborate improvement measures for upcoming transports.

## Good Practice N°05: Train monitoring platform Turkey-Germany

### Further exploitation

- Good practice presentation on “Train monitoring platform Turkey-Germany” is made available to every interested company;
- Web-based train monitoring / real-time information service is offered to customers of DB Schenker / Schenker RLF and cooperation partners;
- The monitoring platform will be used for traffic with specific information needs.

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