Managing infrastructure for cross-border rail freight

– The approach of the bi-national Györ-Sopron-Ebenfurt Railway (GYSEV)

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Rail network of GYSEV Zrt.

Key data (2017):

- Total length: 509 km (439 km in HU, 70 km in AT)
- 95% of lines electrified
- Passenger trains: 154,000/a (422/day)
- Freight trains: 20,500/a (56/day)

Main routes for freight:

- East-West (Central Europe ↔ South-Eastern Europe/Turkey)
- North-South (port-hinterland traffic Koper ↔ Central Hungary / Slovakia)
Important traffic functions of GYSEV’s rail network

• Important route in international East-West and North-South traffic
  • Central Europe ↔ South-Eastern Europe / Turkey
  • Adriatic seaports ↔ Central Hungary / Slovakia / Poland

• Traffic to / from Sopron intermodal terminal and freight yard (gateway function for traffic to/from South-Eastern Europe)

• Diversionary route in case of disruptions on other corridors – improving resilience of the European rail network

• ”Flat route” east of the Alps with uninterrupted loading gauge P/C 400
Ownership and company structure

FHÉV Zrt.

Hungary

Austria

65.6%  28.2%  6.1%

GYSEV

100%

Raaberbahn

100%

GYSEVCargo

100%

Amber Rail a.s.
• Bratislava, SK
• Main activity: Rail freight services

100%

S.C. Amber Rail Orient srl.
• Curtici, RO
• Trade Trans 50 %
• Main activity: Rail freight services, RPA services

50%

Amber Rail Adria d.o.o.
• Koper, SL
• Main activity: Rail freight transport

100%

Ownership and company structure
Attractive infrastructure for efficient freight

**“Hard” factors**
- Good infrastructure standard
- Efficient access points to infrastructure (intermodal terminals, spurs)

**“Soft” factors**
- Smooth administrative processes
- Operational rules
- Good customer communication

Important: Customers usually use more than one network – therefore cooperation across borders / with neighboring IMs is crucial in both “pillars”
Standard and quality of our infrastructure influences the competitiveness of our customers

Key minimum target standards for rail infrastructure

- Electrification
- Axle-load 22.5 t
- Train length 740 m
- ERTMS (GSM-R + ETCS)
- Line speed 100 km/h
- Intermodal loading gauge: P/C 400

→ Rail network standard should be in line with – or exceed – the standard of neighboring networks (avoid bottlenecks in infrastructure standard)

→ Investment cycles for infrastructure are long – therefore always consider standards beyond legal minimum requirements when planning works!
GYSEV developments affecting international rail freight corridors (plan)

- **Infrastructure development of Szombathely station**
- **Construction of a triangle track near Zalaszentiván**
- **Double-tracking of Sopron – Győr route**
- **Development of the Rajka-Hegyeshalom line section**
- **Exchange of track superstructure and station upgrades on sections belonging to RFC 11**
GYSEV – an active Member in the EU Rail Freight Corridors

GYSEV participating in three EU Rail Freight Corridors:
- Orient/East-Med RFC No.7
- Rhine-Danube RFC No.9
- Amber RFC No.11

Majority of GYSEV network is included in one or several RFCs!

GYSEV plays an active role:
- Coordinator for the Amber RFC of the EU Programme Support Action for RFCs
- Leader of the Marketing Working Group of RFC No.7
- Active participation in the Management Boards and Working Groups of all three RFCs
Rail Freight Corridors – benefits for customers

- Provision of dedicated capacity for international freight

- Corridor-One Stop Shops for allocation of capacity to cross-border freight trains

- Joint fora with customers to discuss cross-border issues with all IMs along a corridor

- Joint activities of IMs/ABs to facilitate cross border traffic (e.g. language issues, operational rules, reduction of dwell times in border stations, etc.)
Incentive for use of corridors

At present: Incentives for certain freight train categories, e.g. single wagonload trains

From timetable period 2018/19 corridor trains will also receive a discount on the Train Access Charges

Example: Train of 1.000 t costs ca. 685 HUF/km, in case of corridor trains only 644 HUF/km ➔ Discount ca. 6% !
Thank you!

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