

a way to meet 3 future challenges!





brought to you by EPCA's Supply Chain Program Committee

ITN WORKSHOP

23 April 2024 08:30 - 18:00 Brussels, Belgium!







- 08.30-09.00 Badge collection and welcome coffee
- 09.00-10.15 Introduction & keynote
- 10.15-10.30 Coffee break
- **10.30-12.00** Align on challenges Breakout into stakeholder groups to identify specific obstacles
- 12.00-13.00 Lunch break
- **13.00-13.30** Keynote from Dirk Stahl, CEO of BLS Cargo AG
- **13.30-15.15 Develop solutions** Mix stakeholder groups to brainstorm solutions to the challenges identified
- 15.15-15.30 Coffee Break
- 15.30-16.30 Action planning
- 16.30-17.00 Closing

18.30-21.30 Optional dinner



These checklists are intended for the good conduct of EPCA Organized Meetings but their principles should be complied with also when discussions take place outside the framework of EPCA Organized Meetings. The checklists are non-exhaustive.



Do ensure strict compliance as follows:

SUPERVISION

- Have an EPCA staff member at each EPCA organized meeting.
- Consult with company counsel/specialized external counsel on all questions related to competition law.
- Limit discussions at the meeting to agenda topics.
- Provide each attendee with a copy of these checklists and have a copy available at all meetings
- Remind meeting participants of the importance of competition law compliance, also when discussions may continue or occur outside meetings.

RECORD KEEPING

- Have an agenda and minutes that accurately reflect what is discussed, as well as an attendance list, and ensure that these documents are kept.
- Ensure the review of agendas, minutes and other important documents by appropriate staff and/or external legal counsel, in advance of distribution.
- Fully describe the purposes, structures and authorities of the groups, meetings and specific projects.

VIGILANCE

- Immediately protest against any discussion or meeting activities that appear to violate these checklists and may raise competition law concerns.
- Have this protest recorded in the minutes
- Ask for those discussions/activities to be stopped so that appropriate legal checks can be made by external counsel
- Actively dissociate yourself from any such discussion or activities.
- Leave any meeting in which these activities continue despite protest and have your departure minuted.



Do not attend EPCA organized meetings if no EPCA staff member is present. Do not discuss or exchange with competitors any sensitive competitive information that would normally not be publicly disclosed by a company, including for example information on:

PRICES

- Individual company/industry prices, price changes, price differentials, discounts, allowances & credit terms
- Individual company data on costs, production, capacity (other than nameplate capacities), inventories & sales

PRODUCTION

- Plans/strategy of individual companies concerning the design, production, distribution or marketing of particular products, including proposed territories of customers
- Changes in production capacities (other than nameplate capacities) or inventories

TRANSPORTATION RATES & POLICIES

Rates or rate policies for individual shipments, including basing point systems, zone prices & freight

MARKET PROCEDURES

- Company bids on contracts for particular products; company procedures for responding to bid invitations
- Matters relating to actual or potential individual suppliers or customers
- Plans to discriminate against or blacklist or boycott customers, suppliers or competitors
- Prohibited discussion topics apply equally to social gatherings incidental to EPCA Organized Meetings.

epca.eu/dos-donts



ITN core team

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EPCA – Keynote

Intermodal transportation: potential and challenges

by Deloitte.

APRIL 2024 | DELOITTE | INTERMODAL TRANSPORT

Agenda

1. Need for change to transform to intermodal

2. Considerations and challenges for intermodal (based on EPCA survey)





Need for change to transform to intermodal

Supply chain and logistics trends

Supply chains have to be nimbler and more responsive than ever before, driving the need for a well-defined logistics strategy and network with strong LSP partnerships

Flexible

Dynamic solutions are

changing demand and

supply chain risks

needed to react to unique

Today's supply chains have to-be **nimbler than ever before**. More global. More transparent. Fasterpaced. **Resilient**. All while meeting new demands for **lower costs** and **increased productivity and sustainability** in a ferociously competitive and increasingly vulnerable global environment

Customized

Defining and serving new markets through tailored supply chain solutions

Visible

New tools are required to provide real-time transparency across the entire supply chain

Digital

Traditional linear supply chain nodes are collapsing

Sustainable

Supply chains should increasingly contribute to the sustainability agenda

Resilient

Disruptions such as COVID-19 cause supply chain resilience to be increasingly important

Efficient Cost reduction and speed-tomarket are at the top of operational priorities

Global

Supply chains cross global boundaries and require local execution

The need for logistics transformation

Transport optimization is becoming increasingly important to respond to cost pressure, capacity constraints and sustainability targets



pressure to monitor impact and claim

improvements

Transport is one of the largest sectors in terms of GHG emissions

Transport accounts for 14% of global GHG emissions. The significantly increasing transportation volumes make it one of the largest hard-to-abate sectors

Road freight has significant impact on Global CO₂ emissions



Sources: Deloitte - Decarbonization of Road Freight – getting into Gear (2021), IEA Future of Trucks, OECD; IEA Energy Technology Perspectives; IEA Tracking Transport 2020; IEA CO₂ emissions by sector 1990–2018; CO₂ emissions from industry, transport and heavy-duty vehicles in the Sustainable Development Scenario 2000-2030

Notes: 1) Including LCVs, MDTs, HDTs and 1.5% from buses

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On the current trajectory, emissions will far exceed the Paris Agreement

Deep dive into road freight, where emissions must decrease in intensity by 82%



Freight in the global economy

- The volume represents the transportation of 1 Ton of goods over 1 Km of distance via road
- This is said to increase by 70% towards 2030
- As the volume of the transported goods increases, the emissions increase
- This accounts for 8% of global CO₂ emissions
- To meet 1.5°C agreement on a global, 82% net reduction in emissions is needed by 2050, and 33% by 2030

Sources: Decarbonizing Road Freight – Getting into Gear (2021); European Commission (2021) Notes: 1) Volume is depicted as TKMs, emissions as CO_2

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Regulatory barriers are rapidly addressed by the EU and its countries

What is happening on EU level for Logistics & Distribution?

European Green Deal EU countries are committed to achieving climate neutrality by 2050, delivering on the commitments under the Paris Agreement. The European Green Deal is the EU's strategy for reaching the 2050 goal	Sustainable & Smart Mobility Strategy Strategy to help reaching a 90% cut in emissions by 2050 delivered by a smart, competitive, safe, accessible & affordable transport system	Climate Law <i>European Climate Law regulations</i> <i>turns the political ambition of</i> <i>reaching climate neutrality by 2050</i> <i>into a legal obligation for EU</i>	German Supply Chain Act Requires German-registered companies / subsidiaries to report on social and environmental standards in their supply chain and those of their direct suppliers. It also includes expectations for corporate policies	57% Greenhouse	
Fit for 55 Package Set of proposals to revise & update EU legislation to reach EU's target to reduce net greenhouse gas emissions by 55% by 2030	Winter Package As part of the European Semester Cycle, where the European Commission sets out general social & economical priorities for EU & provide EU countries with policy guidance for following year	REpower EU In response to the hardships and global energy market disruption, the European Commission presented the REpowerEU Plan	<section-header>Corp. Sustainability Reporting Directive The CSRD aims to update and amend the non-financial reporting requirements for companies based in the EU. More companies are part of the scope, and the information companies need to report on is increased</section-header>	Gas Emission reduction by 2030 & Climate neutral by 2050	

Sustainability is changing optimization of logistics

The perspective on optimal logistics is changing by adding sustainability to the equation, a range of levers exist from strategy to operations to improve on this front

Next to optimizing logistics for cost, speed, reliability, safety and quality, sustainability is adding requirements to the equation...



... to optimize for sustainable and efficient logistics, there are key levers to turn from strategy to operations

Sustainable and efficient logistics in simple objectives

Sustainable and efficient logistics will require smart network configuration, modal shift, technological innovation, operational optimization, strategic collaboration and customer commercial policies



Redesign Supply Chain footprint to decrease transport length



Convert to intermodal (rail, barge) and avoid airfreight



Increase vehicle fill rate and avoid empty miles, e.g. (internal) collaboration



optimize routes / trips



Convert to alternative fuel and technologies





Decrease product & packaging volume and transport weight through design



Customers changing buying behavior and commercial policies towards sustainable options

Transport commodity comparison

While waterway and rail transport have very low emissions compared to road transport, these transport modes may not be suitable for all transport tasks

¹ Emissions per modality gCO2 per tonne-km



The development of modal split of inland freight transportation over the years in the European Union¹ While intermodal transport has received a lot of attention in the last decade, road transport still had the upper hand



¹Consists of 27 countries Source: https://ec.europa.eu/eurostat/databrowser/view/TRAN_HV_FRMOD__custom_2638682/bookmark/table?lang=en&bookmarkId=3e403bfe-127c-4f06-a03a-394c07702a78

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Considerations and challenges for intermodal (based on EPCA survey)

Leveraging the potential of intermodal transport

The majority of the survey respondents is committed to leverage the potential of intermodal transport and increase its use, which to date has not been fully exploited



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What are the main priorities in transportation

Clearly cost, reliability, and safety are most critical in transportation mode decisions



Drivers for change to intermodal

GHG regulation and greater investment in rail are expected to have the most impact



Stringent regulation on GHG emissions is mostly seen as a driver for change to intermodal by both LSPs and shippers



Greater investment in rail will also be a key driver to intermodal. However, shippers are more convinced of the importance of rail investments than LSPs

3

Most shippers and LSPs believe that the **pressure from end-consumers to use** greener transportation will impact the move to intermodal



Increasing cost for road transportation due to fuel prices, labor cost and road charges) is considered as a key driver for change to intermodal according to most shippers and LSPs

Will the expected impact of these trends/regulations change your transportation operations?



Source: Deloitte Survey Analysis © 2024 Deloitte The Netherlands

Challenges for intermodal transport

Evaluating the survey indicates that these challenges also are on top of your mind...



An overwhelming majority agrees that intermodal transportation is **not** reliable and transparent enough



Most respondents agree that extensive use of intermodal transportation is hindered by more goods in transit due to longer travel times, with negative working capital impact and no short-term deliveries possible



Respondents agree on the hinder of **train corridors that do not match freight lanes** in extensively using intermodal transportation



The statement **production sites and customers are not in close proximity to a rail or barge terminal** is not considered as a key challenge by most respondents



Respondents are divided on the statement that **increased complexity of yard operations** and **hazardous shipments safety requirements** present obstacles

Source: Deloitte Survey Analysis © 2024 Deloitte The Netherlands

Please indicate to which extent below statements hinder the extensive use of intermodal transportation:

	Not reliable enough for on-time-delivery	14% 9%	41%	36%		
	Lack of visibility and transparency	13% 2	2% 39%	26%		
2	More goods in transit due to longer travel times, with negative working capital impact	13%13	% 61%	13%		
2	No short term deliveries possible	23%	14% 45%	18%		
3	Train corridors do not match freight lanes	9%9%	70%	13%		
4	Production sites are not in close proximity to a rail or barge terminal	30%	26%	39% 4%		
5	Increased complexity of yard operations	22%	52%	26%		
5	Hazardous shipments safety requirements	22%	48%	22% 9%		
Strongly agree Agree Neutral Disagree						



Discussion: Challenges with intermodal transportation



Exercise: Cluster the challenges



O Keynote EPCA ITN workshop

Dr. Dirk Stahl, CEO BLS Cargo, President ERFA 22 April 2024, Brussels

-O Content of presentation

- 1. Perspective BLS Cargo and ERFA
- 2. Development Intermodal Traffic and shift to rail (CH, EU)
- 3. Main conditions for an efficient rail system (infrastructure, competition, financing)
- 4. Chances
- 5. Challenges
- 6. Development of competitive RU
- 7. Conclusion

-O 1. Perspective BLS Cargo Group

- BLS Cargo AG founded 2001
- Shareholders: BLS (52%), Captrain Holding (45%) und Ambrogio Trasporti (3%)
- Tochtergesellschaften:
 - Crossrail Benelux N.V. (100%; 2019)
 - BLS Cargo Deutschland GmbH (100%; 2007)
 - BLS Cargo Italia S.r.l. (100%, 2006)
- > 400 Employees
- 22.000 trains/year



-O 1. Perspective ERFA (European Rail Freight Association)

«We represent the voice of private and independent rail freight companies in Europe»





-O 2. Why shift good on rail?



Source: Rail Freight Forward Initiative

-O 2. Shift to rail successfully done in Switzerland market share rail in transit traffic 72%



Abbildung 1: Entwicklung alpenquerender Güterverkehr auf der Strasse 1981 bis 2020.

-O 2. Prognoses Alp Transit Switzerland 2050 (2023)



-O 2. Prognoses Alp Transit Switzerland 2050 (2023) strong growth in Intermodal traffic



-O 3. Main conditions for an efficient rail system

Performance quality of freight railroads and infrastructure

Functioning competition on the railways

Level Playing Field

- Sufficient transport capacity, 750m trains, P400 profile
- Punctuality, reliability
- Flexibility in the event of market volatility
- Competitive price level
- Choice of providers, pressure on price/performance
- Sustainable freight railways
- No distortion of competition between Incumbants and Challengers
- Fair allocation of external costs
- Fair infrastructure costs (TAC/ toll))

Initiatives on EU Regulation



O Functioning competition on the railways

Wettbewerb im Schienengüterverkehr (EU 27)



- Strong competition between established national providers and "challengers" in the European rail freight market
- The trend over the last 15 years has been towards greater diversification of the market, with "challengers" taking over the state railroads in their home markets in 2021
- "Challengers" particularly strong in block train markets such as intermodal transport

-O 4. Chances



EU – Green Deal



Abbildung 1: Entwicklung alpenquerender Güterverkehr auf der Strasse 1981 bis 2020.

Verlagerungspolitik CH



Infrastructure investments



Market Growth Intermodal- und Logistics



New customers – logistical concepts

WE NEED A MODAL SHIFT FROM ROAD TO RAIL



Climate friendly rail freight EPCA ITN Workshop Brussels 22.04.2024

-• Infrastructure DB on massive investment plan

- Massive construction sites planned on the German network until 2035 with full closure of main lines (Hochleistungskorridore)
- Construction sites are already overloading the system and increase system complexity.
- Alternative routes for today's traffic and its routespecific requirements challenging
- Important expansions to the rail network in Germany (Karlsruhe Basel) are currently running behind schedule.



-O Terminal infrastructure for Intermodal broad and developing



-O 5. Challenges 2015 - 2023



Covid 2020



Rastatt 2017/2024



Energy prices 2022



Accident Gotthard 2023



Legislation / vehicle authorisation (ERTMS)



Market volatility

Destabilisation quality 2018-2023 (source Hupac) Situation vor/nach Rastatt



-O Challenge: stabilisation and resilience

DE: Hochleistungsnetz / Korridorsanierung bis 2030

Stand 25.01. – Orientierung an Ankermaßnahmen



Prämisse für verkehrliche Vereinbarkeit der Korridore: je Korridor 5 Monate Totalsperrung; keine Platzierung von Korridoren zwischen Fpl-Wechsel und Mitte Februar

DB Netz AG | 5. Brancheneinbindung Generalsanierung Hochleistungsnetz | 09.Februar 2023

Präferenzszenario: Szenario 2

Streng Vertraulich DB NETZE Halbjahr 1 Halbjahr 2 In Szenario 1 vorgesehenes HJ

12

- Intensive planning jointly with infrastrcture managers to coordinate internationally the construction works
- New planning with partly longer transport times, more buffers and stabilisation on production
- Coordination of terminal capacities and opening times, wagon sets and joint transport plans with customers.
- Pre-planning for rerouting in case of planned and unplanned route closures.

-O 6. Development of competitive RU

- Focus on optimisation of clear and optimised business model (f.eg. corridor specialist)
- High productivity of personal and locomotive ressources, especially broder crossing traction and longer and heavier trains (750m, 2000t)
- Build up resiliance to react on planned and unplanned traffic interruptions and market volatility
- Customer orientation with one stop shop, proactive customer information and capability to develop joint solutions
- Digitalisation (planning/disposition, track/trace, preventive maintenace, ERTMS)

-O 7. Conclusion

Performance quality of freight railroads and infrastructure

Functioning competition on the railways

Level Playing Field

- Regulation Ten-T, Capacity Management and increased infrastructure investment positive
- Intensity of construction works and interruptions critical
- Competitive RU prepare for optimisation and resilience
- Challengers decisive for intermodal transport, fair competition towards incumbants important
- Subsidies (direct/indirect, TAC, SWL) to be implemented non discriminating
- New weight & dimensions directive critical, will increase competiveness of road.
- Indications on TAC in Germany (2025) negative



Q Thank you!

BLS Cargo AG Bollwerk 27 CH-3001 Bern blscargo.ch Questions?

Exercise: Develop Solutions



Next Steps: 5-5-5 Framework

Wrap-up and Q&A

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