Transsib Transport Corridor: Integration in the Global Transport Network

Ad hoc Expert Group Meeting on Facilitation of International Railway Transport
Bangkok, 12-13 March 2015
CCTT: working for the integration of the Trans-Siberian service

Currently CCTT has **100 members** from **25 countries** (railways and shipping companies, operators and forwarders, ports and stevedoring companies, state organizations, administrations and municipalities, telecom and marketing companies, insuring companies, as well as security services and media)
Integrating multimodal services connect sea ports and terminals of Europe, Russia and the Asia-Pacific Region and can deliver a container from North Atlantic shores to the Pacific.
Dynamics of transit container transportation on TSM, 1999 - 2014, TEU
Volumes of international container transportation on TSM, 2013-2014, TEU

2013
- Export: 272,228
- Import: 316,347
- Transit: 117,467

2014
- Export: +14.60%
- Import: -10.55%
- Transit: +11.73%
- Export: 311,971
- Import: 282,967
- Transit: 131,246
Volumes of container cargo transportation between Russia and Asia-Pacific, 2013 – 2014, TEU

- Russia - China
- Russia - Japan
- Russia - Republic of Korea
Dynamics of foreign trade volume change

Trade volume growth between China and EC from 117 mln. tonnes up to 170 mln. tonnes till 2020

Source: forum1520.ru
A considerable increase in freight transportation volumes between China and EC is expected by 2020

Freight transportation volumes between China and EC, mln tonnes

<table>
<thead>
<tr>
<th>Year</th>
<th>Volume 2013</th>
<th>Volume 2020</th>
<th>Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>117</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2020</td>
<td>170</td>
<td></td>
<td>+45%</td>
</tr>
</tbody>
</table>

Freight transportation volumes between China and EC, $ bln

<table>
<thead>
<tr>
<th>Year</th>
<th>Volume 2013</th>
<th>Volume 2020</th>
<th>Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>738</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2020</td>
<td>1200</td>
<td></td>
<td>+63%</td>
</tr>
</tbody>
</table>

What is needed to be done to develop railway transit through Common Economic Space?

Source: BCG Analysis
Target priorities of modern transport product

- Stable and competitive tariff
- Service regularity
- New infrastructure opportunities
- Perfection of normative legal base
- Introduction of new technology
Broadening infrastructure possibilities

Railway route construction project with a 1520 rail gage till Bratislava-Vienna

The project on Trans-Siberian and Trans-Korean mainlines connection
Container train – base technology of Trans-Siberian transportations

Source: TransContainer
Modernization of container terminals network on Transsib for container trains technology
Terminals investments create infrastructure conditions for expanding block-trains technology use

Source: TransContainer
Import from Central and Western Chinese provinces is gravitated toward railway route through the territory of Kazakhstan and Russia.

Industrial hubs of Western and Central provinces and key transport arteries of China.

Routes’ comparison from Chongqing to Duisburg:

<table>
<thead>
<tr>
<th>Route Description</th>
<th>Distance</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sea route</td>
<td>~20,000 km</td>
<td>45-60 days</td>
</tr>
<tr>
<td>r/w route through Dostyk</td>
<td>~10,700 km</td>
<td>21 days</td>
</tr>
<tr>
<td></td>
<td></td>
<td>16-17 days (after optim.)</td>
</tr>
<tr>
<td>r/w route through Zabaikalsk</td>
<td>~12,800 km</td>
<td>32 days</td>
</tr>
</tbody>
</table>

Source: China Western Development planning 2011-2015; BCG

Source: forum1520.ru
Transit routes of the Eurasian transport connection

- Application of unified CIM/SMGS consignment note
- Successful test transportation of high technology electronics in reefer containers during the winter period

- Brest – Zabaikalsk, Zabaikalsk – Brest, 12 days
- Chongqing – Duisburg, 14-16 days
- Suzhou – Warsaw, 13 days
- Chengdu – Lodz, 10-13 days
- Zhengzhou – Hamburg, 15 days
- Pusan – Brest/Dobra, 24 days

Source: RZD

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Broadening the use of **CIM/SMGS** common consignment note

Chongqing (China) – Duisburg (Germany)
Weekly container service
Total distance - 10796 km
Transit time - 15-16 days
Average speed - 690 km/day.

**CIM/SMGS** application speeds up border crossing, decreases car detention on borders

Source: TransContainer
The **electronic document** passes the train ahead

1. Transfer of the electronic document to the border-crossing point
2. Border control (Inspection of the document)
3. Mistake detected
4. The electronic document returned to the sender
5. Electronic document correction
6. Transfer of the corrected electronic document to the border-crossing point
7. No mistakes

GO
Acceleration of *customs clearance* technology

Average container staying time in Vostochny port
Providing *security control* and transit traffic monitoring
Transsib Transport Corridor: Integration in the Global Transport Network

- Организация перевозок Азия – Европа
  Asia – Europe transportation organization
- Внедрение унифицированной накладной ЦИМ/СМГС
  CIM/SMGS unified consignment note implementation
- Security BIRC (Совместная Памятка КСТП/МСЖД «Электронные пломбы») (CCTT/UIC common memo on MMNC)
- Правовая гармонизация
  Legal harmonization
- Мультимодальность
  Multimodality
- Проект «Евро-Азиатские Транспортные Связи» (EATL)
  The Euro-Asian Transport Links (EATL) project
- Единое транспортное право
  Common transportation law
- Проект «Транс-Европейская железная дорога» (TER)
  Trans-European Railway (TER) Project
TSR global view: connecting transport systems of APR countries, 1520 and Europe. Unified technology, pricing principle and traffic schedule.
Thank you for your attention!

CCTT Secretary General
Mr. Gennady Bessonov
info@icctt.com