Innovations in international passenger carriage by rail

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Federal Passenger Company
International support of the Resolution No. 264 on International Rail Passenger Traffic on the Route East-West

XXXII Conference of OSJD Railways CEOs
Minsk (Belarus), April 17-21, 2017
Danang (Vietnam), 16-20 April 2018

XLV session of OSJD Ministers Conference
Sochi (Russia), June 5–8, 2017

I and II International Passenger Forums
Astana (Kazakhstan), September 7-8, 2017
Sochi (Russia), October 3, 2018

Organisation for Cooperation between Railways (OSJD)

The Council on Railway Transport of CIS Member States

Federal Passenger Company
Innovations as a tool for implementation of the UNECE ITC Resolution No. 264

United Nations
Economic and Social Council

Economic Commission for Europe
Inland Transport Committee
Seventy-ninth session
Geneva, 21-24 February 2017

International Transport Committee Resolution on
International Rail Passenger Traffic on the route East-West+
Resolution No. 264

Growth of passenger flow
Attractive fares
Modern, comfortable rolling stock
State support

Digital services
Multimodal transportation
Integration of reservation systems
Interoperability of rolling stock
Border crossing facilitation

Boosting cooperation between carriers
State support measures allow to invest in acquisition of modern rolling stock

Night trains of JSC FPC on the routes to Europe

In the context of the overall trend among European railway carriers to abandon night service, JSC FPC offers a unique level of transportation and comfort - “the hotel train”

Rapid train № 13/14 «STRIZH» Moscow-Berlin

Manufactured by Patentes Talgo

Track gauge switch facility (Brest, Belarus)

Unique technology of automatic change of track gauge 1435 ↔ 1520 mm
Just 25 minutes to switch track gauge (change of wheelsets ≈ 4 times longer)
Facilitates acceleration of border crossing by train and improves passenger comfort

Rolling stock fleet of JSC FPC counts

200 modern RIC conform sleepers for 1st class service

Federal Passenger Company
Development of the draft Convention on the facilitation of border crossing procedures for passengers, luggage and load-luggage carried in international traffic by rail has entered the final stage.

The final text of the Convention has been prepared (official document in three languages, taking into account comments from interested parties, the Secretariat, the Treaty Section of the UN Legal Department).

Consultations have been held in the States concerned and the European Commission to consider the draft and form up the positions.

The draft Convention is planned to be submitted for adoption to ITC in February 2019.
Integrated software for traffic control, analytics and forecasting maximizes efficiency of transportation and resource planning

**The Crisis Center of JSC FPC**

- Software and hardware package
  - in real time
  - geolocation of trains
  - interactive visualization
  - monitoring of trains capacity usage
  - monitoring of trains schedule performance
  - operational decision making

**Planning of enterprise resources**

- Demand and offer management system
  - in real time
  - full automation database •
  - demand monitoring •
  - forecasting and analysis •
  - calculation of optimal composition of trains •
  - fleet operational management
  - optimization of crews and repairs
  - today: test operation (8)
  - in perspective: all trains of JSC FPC

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JSC FPC expands e-tickets sales channels in cooperation with the foreign partners

Online sales of tickets for Russia-Mongolia connections since September 4, 2018

trains in direction from Russia to Mongolia

Online sales of tickets for international trains of JSC FPC

since 11.12.2016
since 29.06.2017
December 2018

UIC hosts the research project Integration of reservation systems (INTERES)

Support

JSC “Kazakhstan railways”

JSC “Ulaanbaatar railway”
JSC FPC is developing a set of digital services “Innovation mobility” aimed at the implementation of multimodal carriage.
JSC FPC offers passengers a variety of digital services en route

**POPUTCHIK** (“Travel Companion”) – an infotainment complex in JSC FPC trains

- Train schedule, interactive map of the train motion on the itinerary
- Audio guide over interesting sites along the route of the train
- Entertaining content (electronic and audio books, movies, video games)
- Access to the Web
- Pricelist of foods and souvenirs for sale, dining-carriage menu
- Chat with other passengers
- Call and chat with carriage attendant
- Additional services in transit (taxi, booking room in hotel)

**Boarding the train on an e-ticket**

**Bank card payment onboard trains**

- **Mobile terminals in each train**: 1-2 devices per train

**Mobile interpretation application - PROMT for FPC**

- Creation of accessible and open communicative environment in international carriage

**Application installed on mobile devices for equipment of train crews**

**Offline mode**

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**Select a topic**

- Security
- Health
- Service
- Catering
- Travels
- Sports
- Football

Languages:
- English
- Español
- Deutsch
- Português
- Русский
- Français
Introduced innovations have been successfully tested when hosting mass international events in Russia

**2018 World Cup**
- **11 cities**
- **318,900 fans carried in total between participating cities**
- **734 trains assigned**
- **75 train sets**
- **1176 cars involved**

- **Sochi - hosting city**
- **52,900 fans carried by dedicated trains**
- **262 runs of trains assigned for free transportation**

**2017 Confederations Cup**
- **4 cities**
- **11 special trains assigned for carriage of participants**

**2017 Youth Festival**
- **4 cities**
- **52,900 fans carried by dedicated trains**
- **262 runs of trains assigned for free transportation**

**Winter Universiade 2019**
- **11 cities**
- **318,900 fans carried in total between participating cities**
- **734 trains assigned**
- **75 train sets**
- **1176 cars involved**

- **Sochi - hosting city**
- **52,900 fans carried by dedicated trains**
- **262 runs of trains assigned for free transportation**

During the event 20 trains will run through Krasnoyarsk, including 18 JSC FPC trains
Thanks for your attention!