



Innovations in international passenger carriage by rail

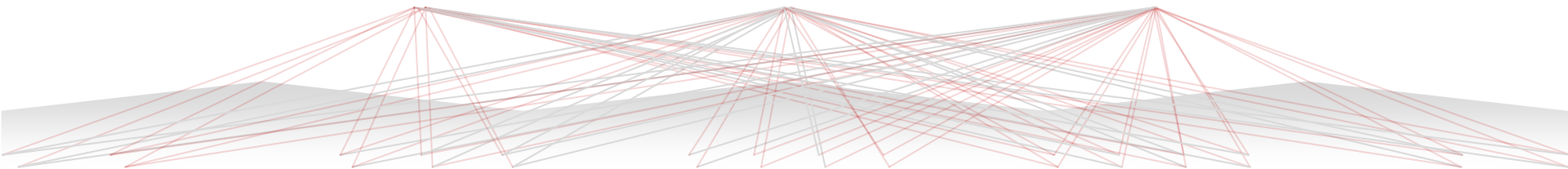
Oleg Nikitin, Deputy General Director of JSC Federal Passenger Company

November 21, 2018

**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)



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COOPERATION BETWEEN
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THE COUNCIL ON RAILWAY TRANSPORT
OF CIS MEMBER STATES

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



Night trains of JSC FPC on the routes to Europe

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



Rolling stock fleet of JSC FPC counts

200 modern RIC conform sleepers
for 1st class service

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

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”

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

4



WP.30

The Working Party on Customs Questions affecting transport,

✓ **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)



SC.2

The Working Party on railway transport

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



Informal group

of experts of concerned States under the auspices of OSJD







The draft Convention is planned to be submitted for adoption to ITC in February 2019

The UNECE Inland Transport Committee

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

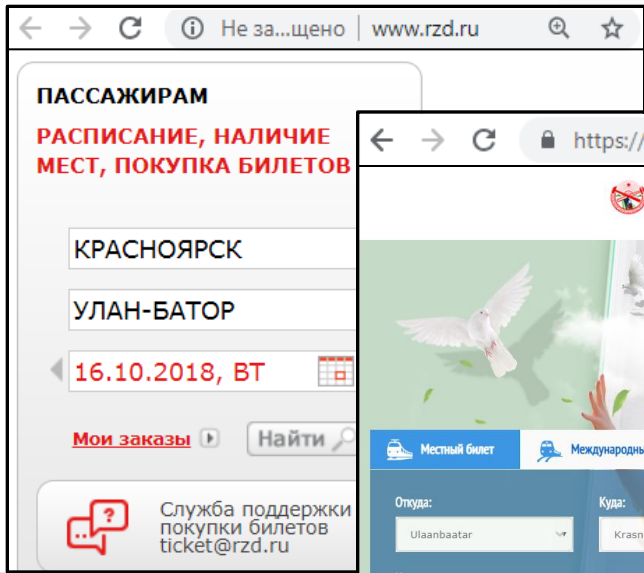
Demand and offer management system

- 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 

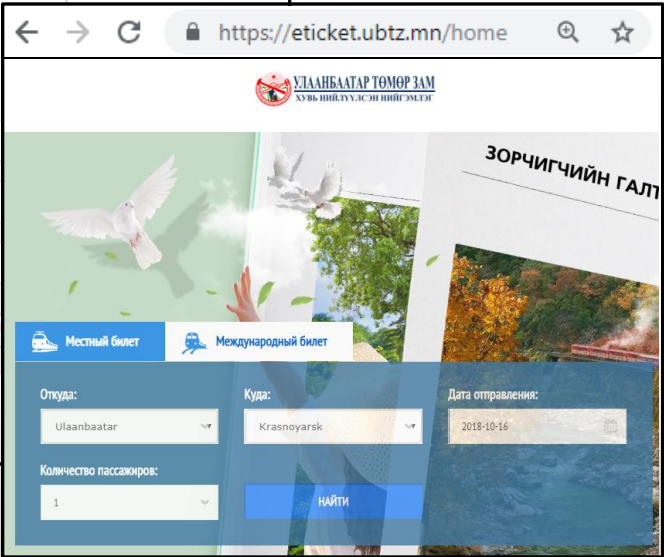
JSC FPC expands e-tickets sales channels in cooperation with the foreign partners

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

trains in direction from Russia to Mongolia



trains in direction from Mongolia to Russia



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



ҚАЗАҚСТАН ТЕМІР ЖОЛЫ
JSC "Kazakhstan railways"



JSC VNIIZHT

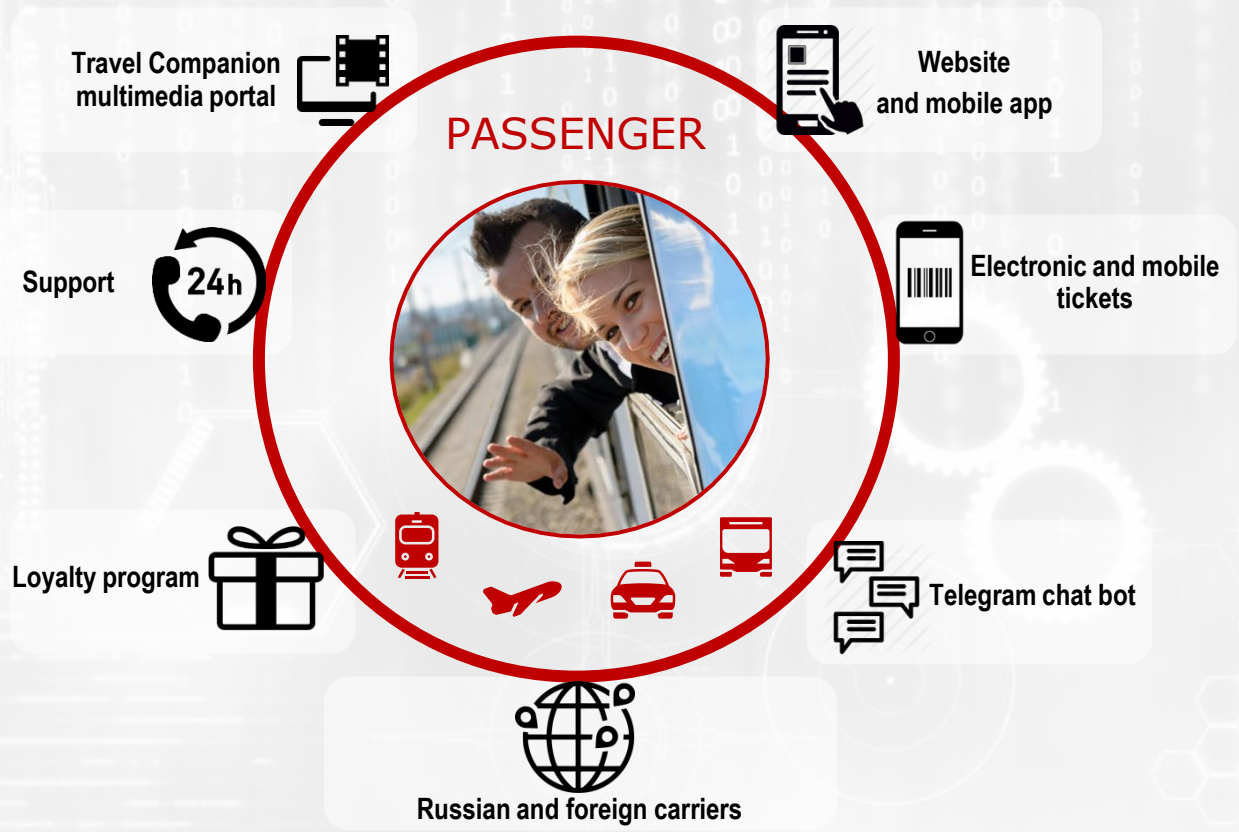


Federal Passenger Company



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



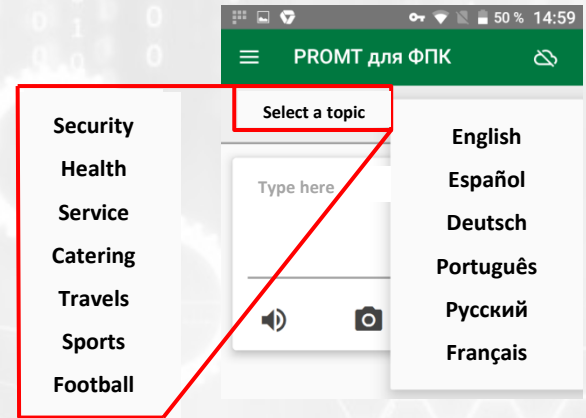
Mobile terminals in each train

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

Introduced innovations have been successfully tested when hosting mass international events in Russia

2017 Confederations Cup



CONFEDERATIONS CUP
RUSSIA 2017
(from June 17 to July 2)



4 cities
52,900 fans carried by dedicated trains
262 runs of trains assigned for free transportation

2017 Youth Festival



(from 14 to 22 October)

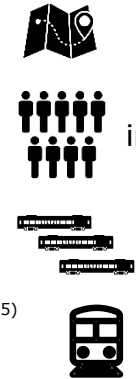


Sochi - hosting city
15 special trains assigned for carriage of participants

2018 World Cup



FIFA WORLD CUP
RUSSIA 2018
(from June 14 to July 15)



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

Winter Universiade 2019



(from 2 to 12 March)

During the event 20 trains will run through Krasnoyarsk, including 18 JSC FPC trains



Thanks for your attention!