

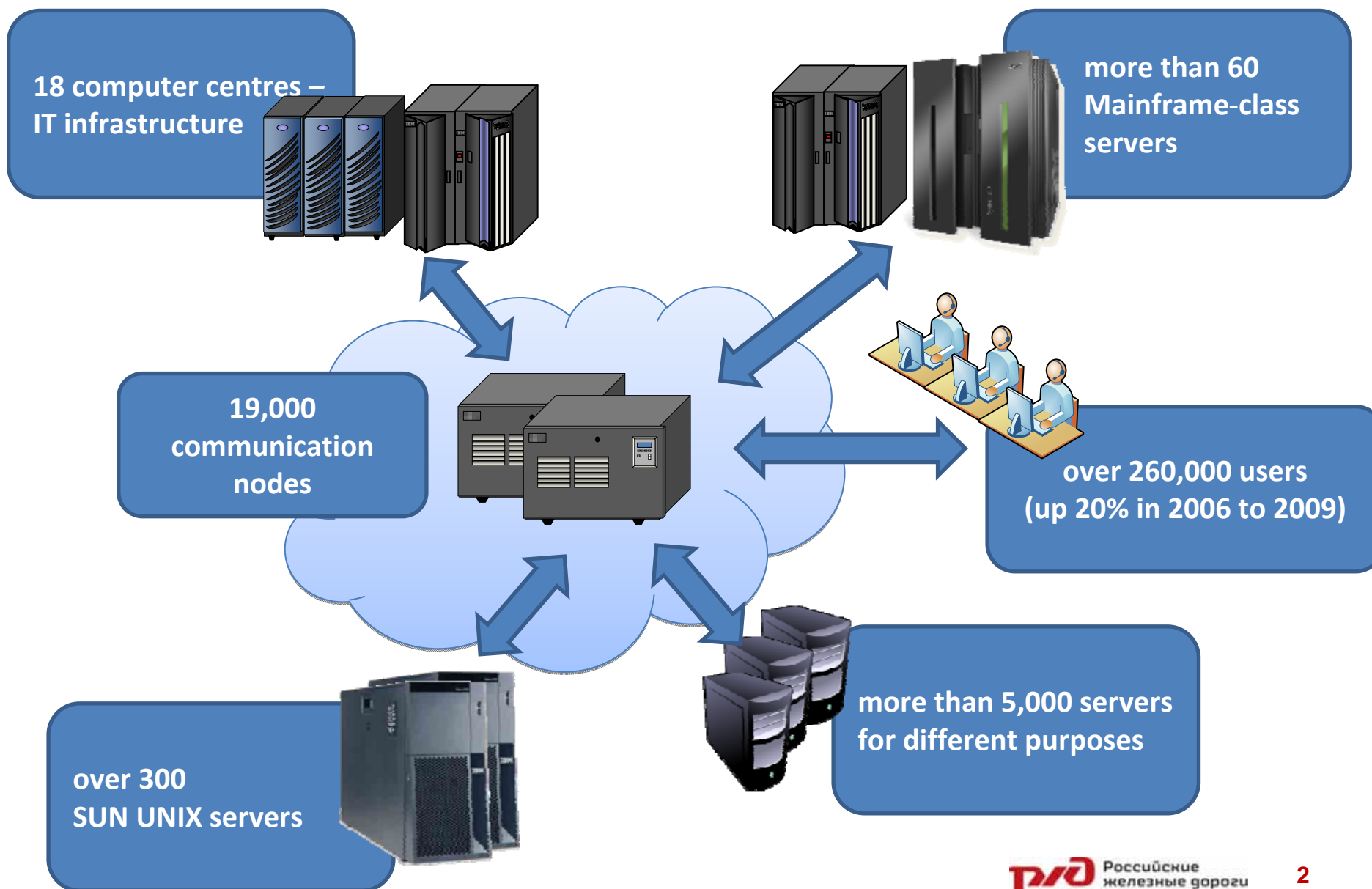
## Legal harmonisation. Paperfree technology.

Deputy Head of Department for Informatisation and Corporate  
Governance Processes

Nadezhda Davydenko



# TELECOMMUNICATIONS AND COMPUTER INFRASTRUCTURE OF RZD



# ELECTRONIC DATA EXCHANGE (EDE) IN INTERNATIONAL TRANSPORTATION

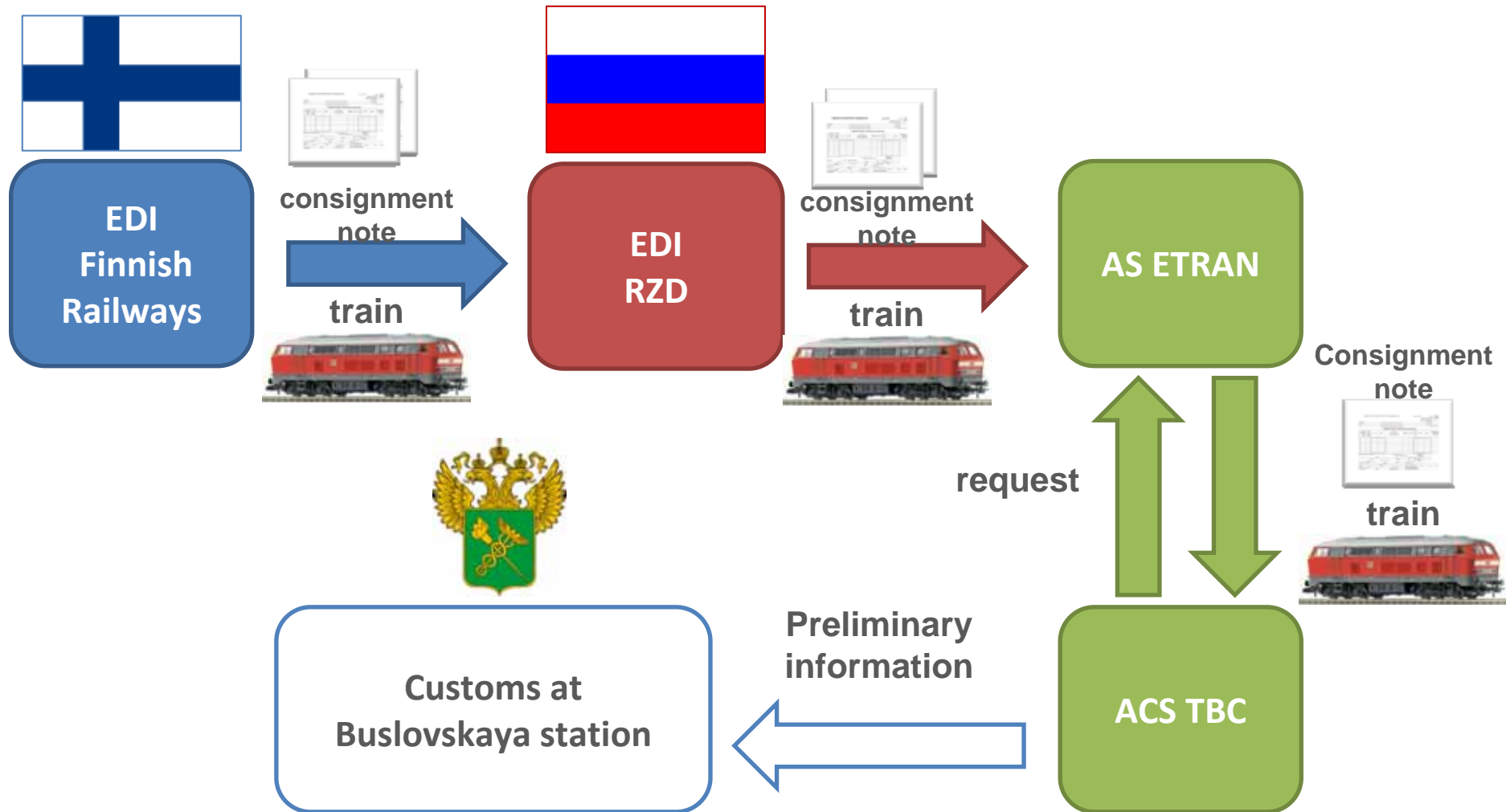


**Regular operation**  
*Finnish Railways  
Lithuanian Railways  
Belarus Railways  
Latvian Railways*

**Pilot operation**  
*Ukrainian Railways  
Chinese Railways*

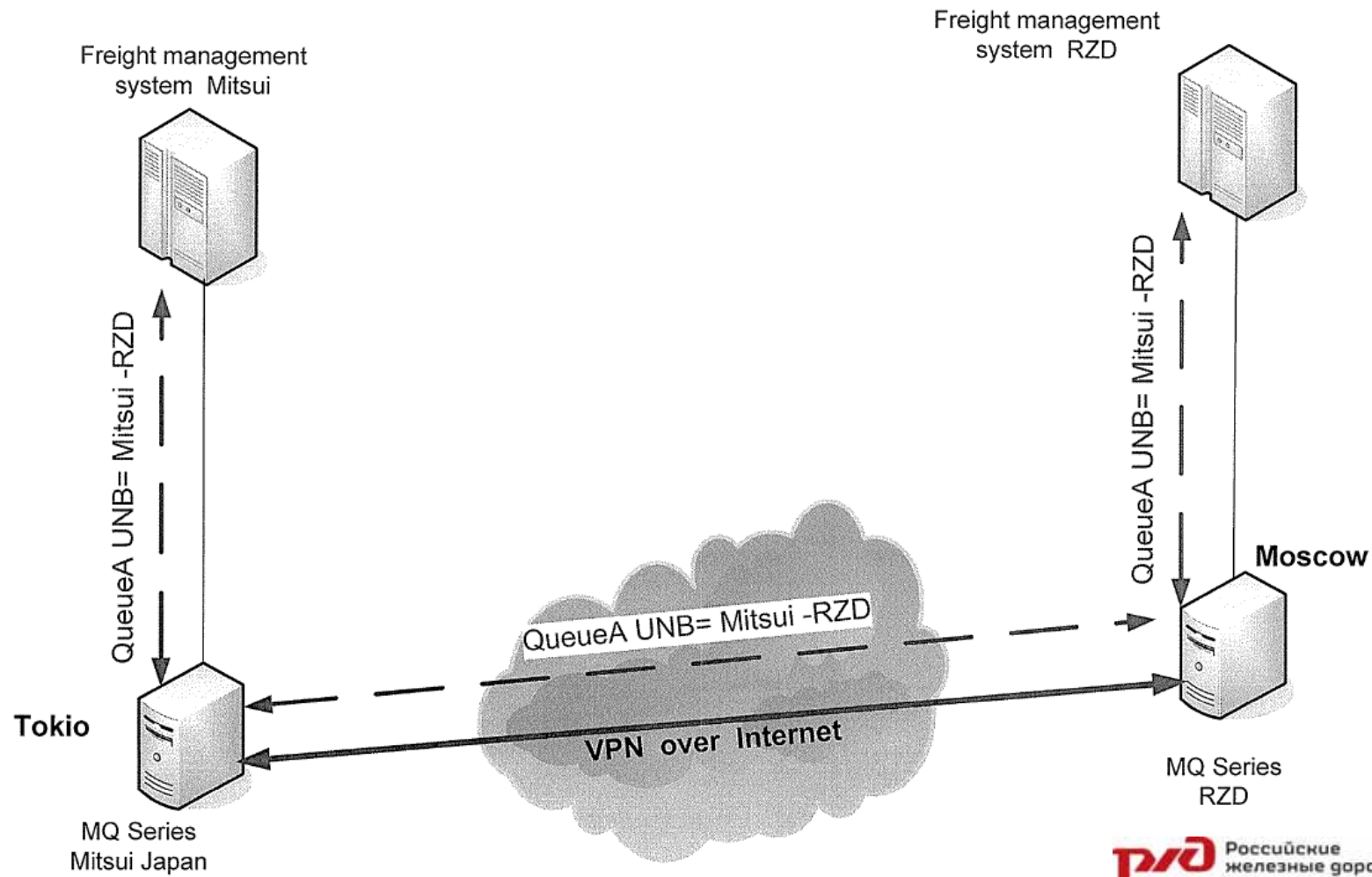
**Testing**  
*Estonian Railways  
Kazakh Railways  
Polish Railways*

# PILOT PROJECT FOR PRELIMINARY INFORMATION EXCHANGE AT BUSLOVSKAYA STATION



# U1 ELECTRONIC DATA EXCHANGE SCHEME

The scheme of electronic data exchange of Freight management systems Mitsui – RZD

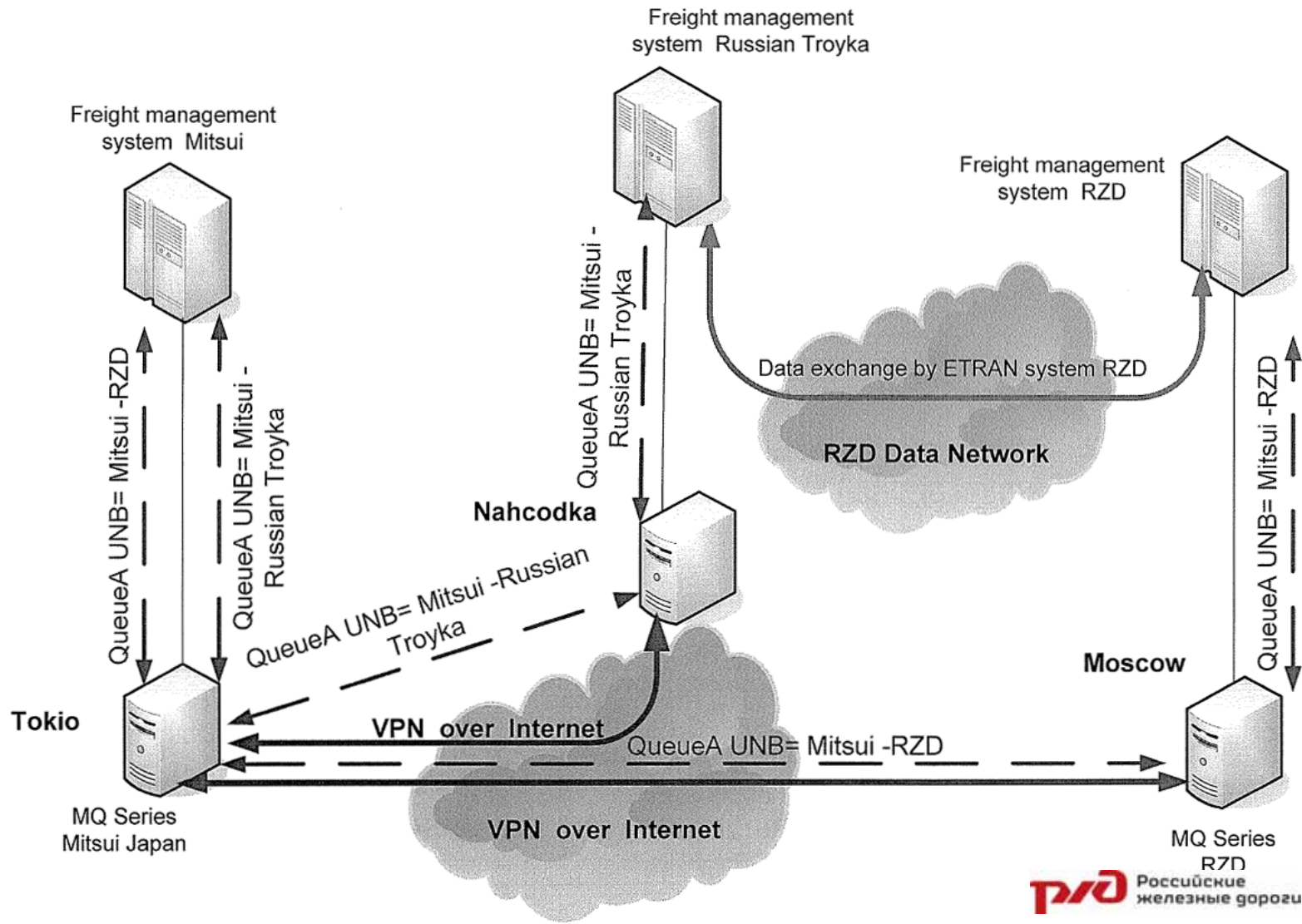


U1

в левом нижнем углу - Токіо, должно быть Токуо  
User; 04/07/2010

# ELECTRONIC DATA EXCHANGE SCHEME <sup>U5</sup>

The scheme of electronic data exchange of Freight management systems Mitsui – RZD



U5

то же самое про Токуо

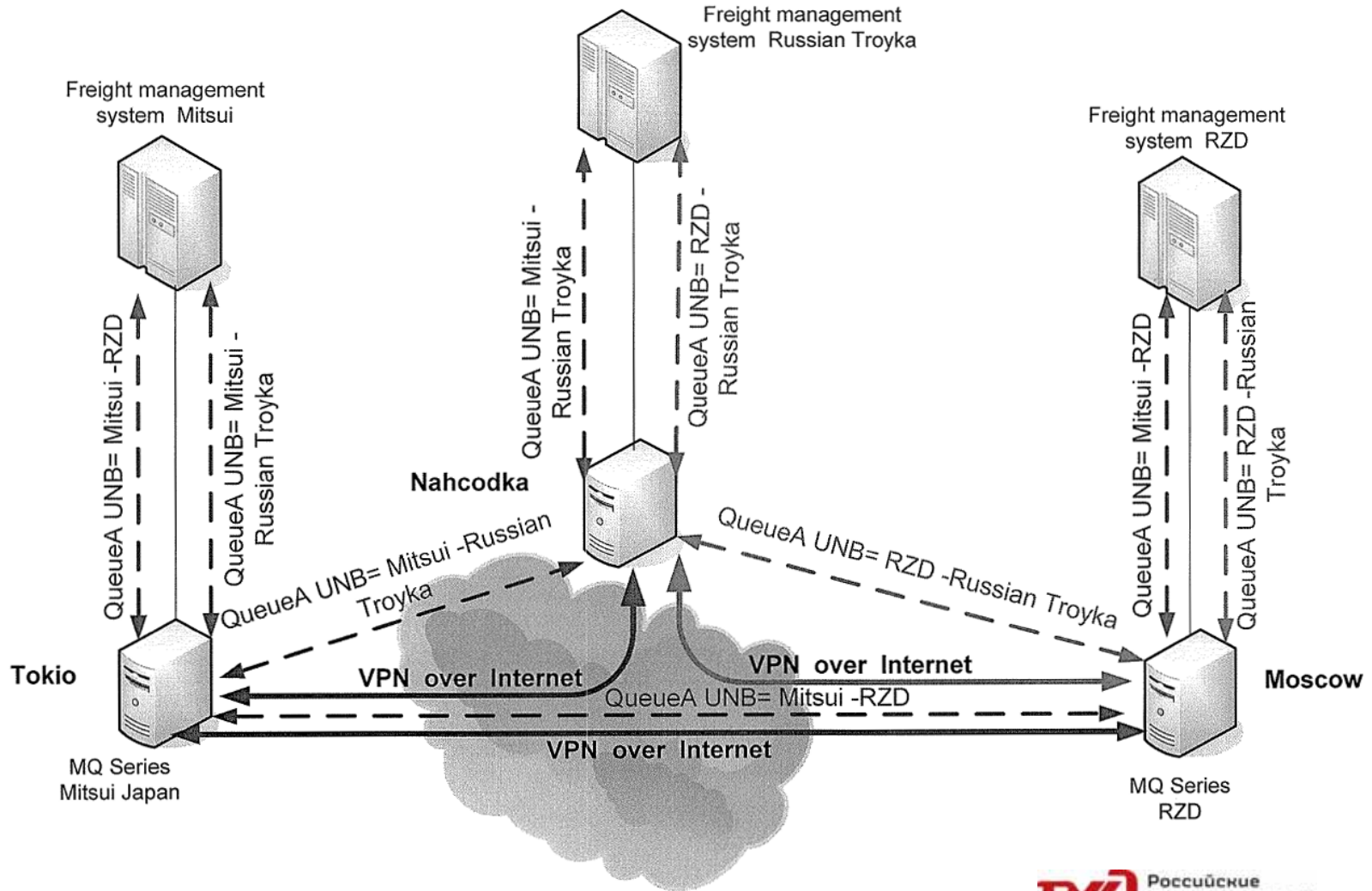
подозреваю что Nahcodka - тоже опечатка  
наверное Nakhodka

User; 04/07/2010



# ELECTRONIC DATA EXCHANGE SCHEME <sup>U7</sup>

The scheme of electronic data exchange of Freight management systems Mitsui - Russian Troyka - RZD



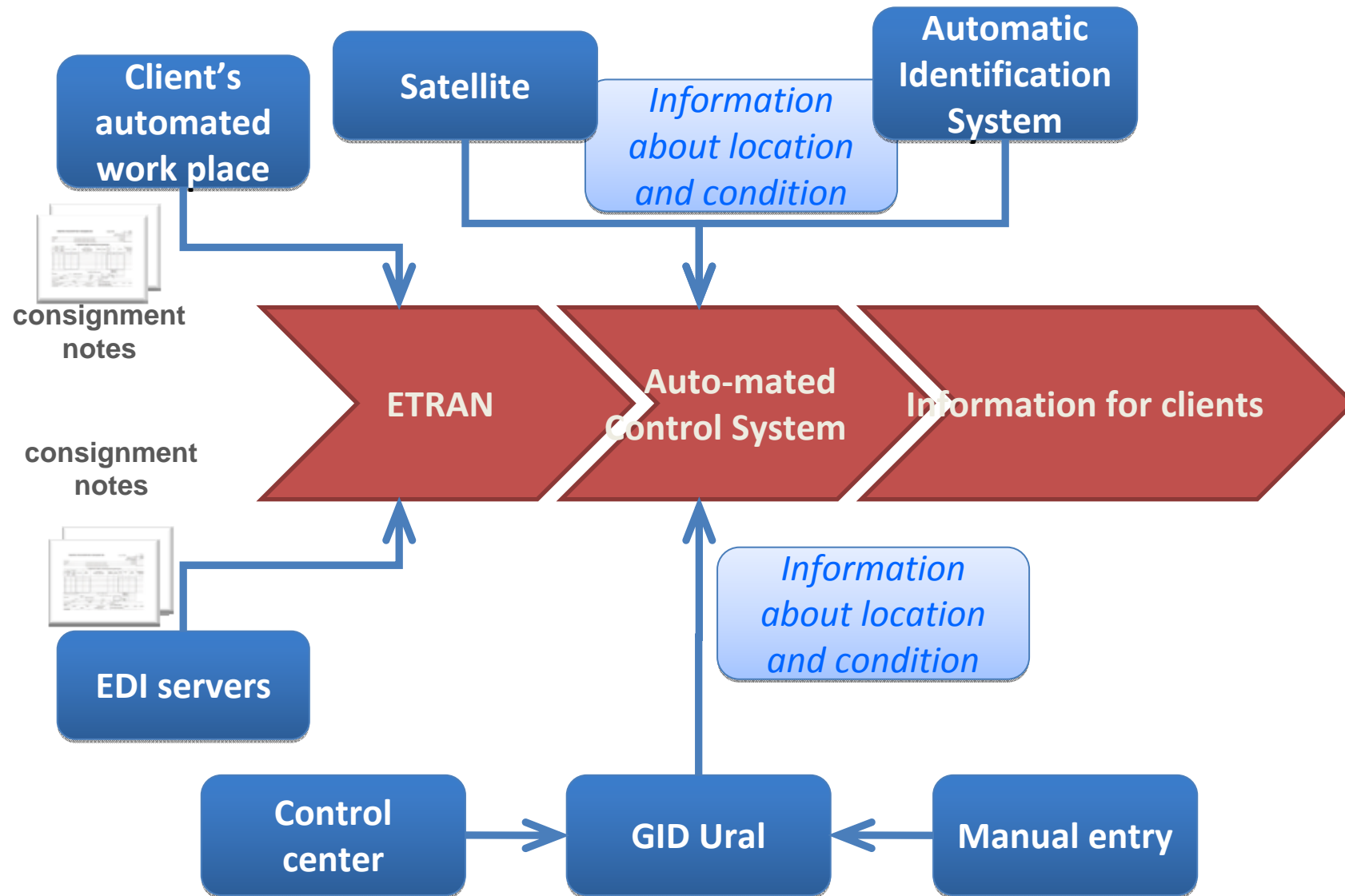
## Slide 7

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**U6**      то же про Токуо  
User; 04/07/2010

**U7**      то же самое про Токуо и Nakhodka  
User; 04/07/2010

# INFORMATION SUPPORT OF FREIGHT TRANSPORTATION



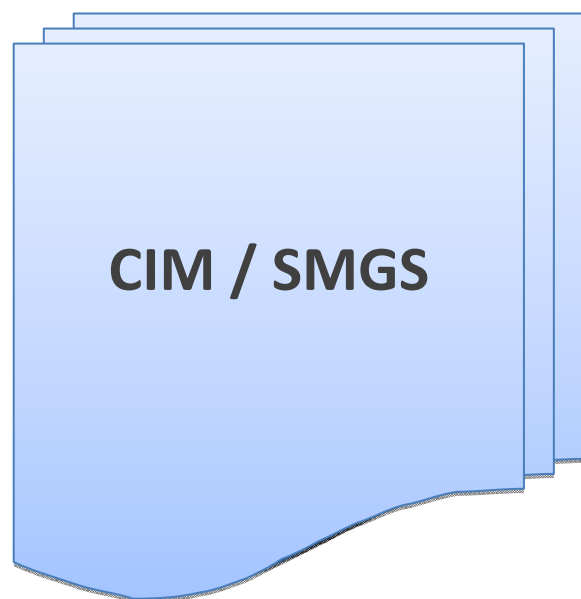
## *CIM/SMGS Common Consignment Note*

### Advantages

1. No costs for further consignment notes
2. Shorter waiting times at border crossings (approx. 8 hours at the Malaszewicze station)

### Disadvantages

1. **Need to adjust information systems**
2. **Need to train rail staff**



# Objective of TEDE Automated System introduction

The introduction of TEDE Automated System (*Technological Electronic Data Exchange*) is aimed at enhancing reliability, efficiency and quality of technological and management information transferred to the network level of RZD's infrastructure thanks to:

- Building RZD's single information space
- Using paperless technology
- Simplified rules for all kinds of accounting and reporting documents

# Expected results of TEDE Automated System introduction

The introduction of TEDE automated system using digital signatures will ensure:

- Enhancing the quality and speed of providing analytical and reporting information throughout the entire RZD's chain of command
- Enhancing technological discipline and responsibility for decisions made
- Providing conditions for the creation of a new-generation Automated Control System to implement RZD's business goals at the time of reform

# Scale of TEDE introduction



**1,853 stations  
and companies  
out of 6,000**



**16 railways**



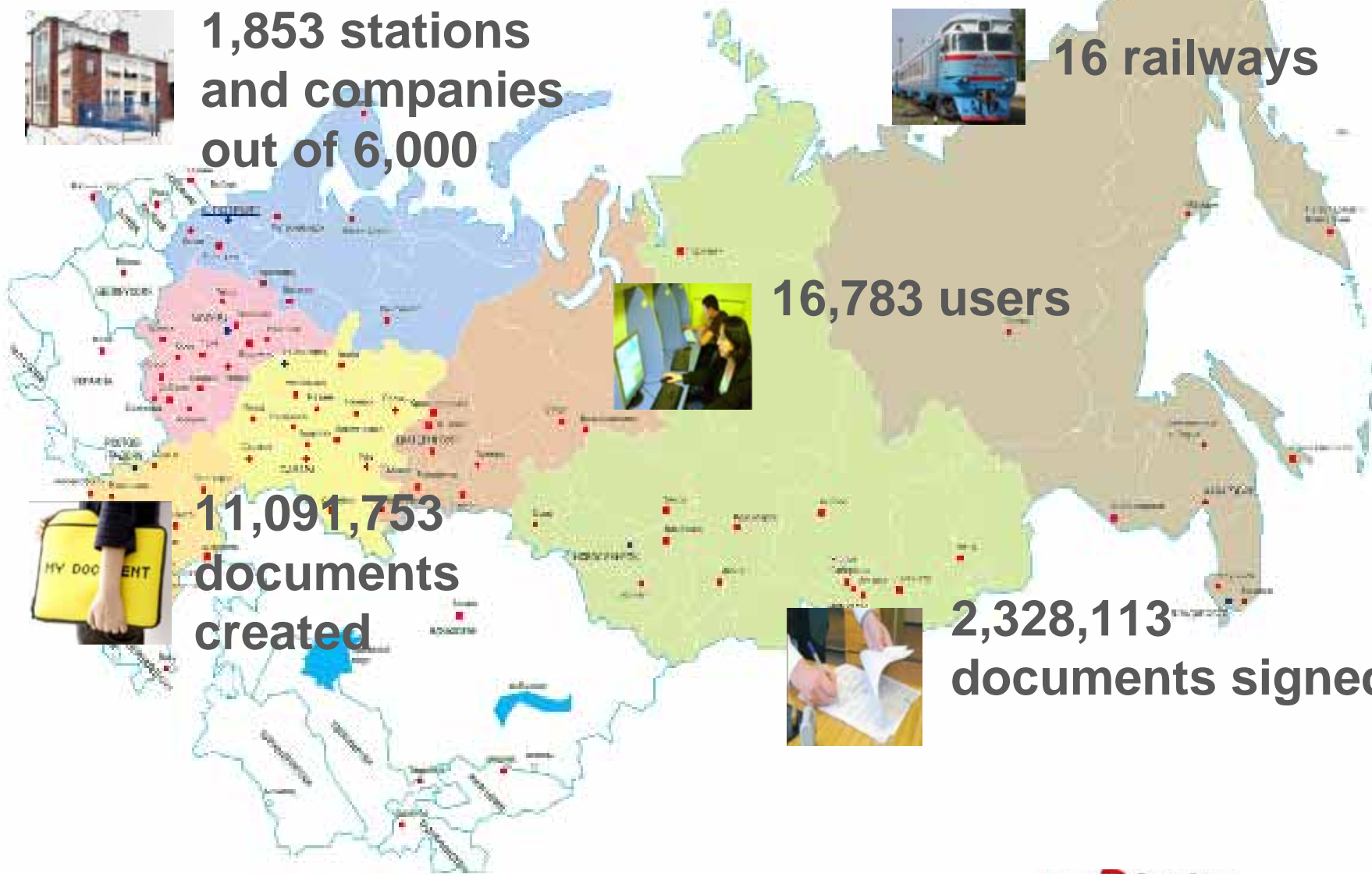
**16,783 users**



**11,091,753  
documents  
created**



**2,328,113  
documents signed**



**Thank you for  
your attention**