KAZAKHSTAN RAILWAYS

DIGITALIZATION OF INTERNATIONAL RAIL TRANSPORT ROUTE

Xi’an, 2025

KAZAKHSTAN TEMIR ZHOLY

KAZAKHSTAN - TRANSIT HUB

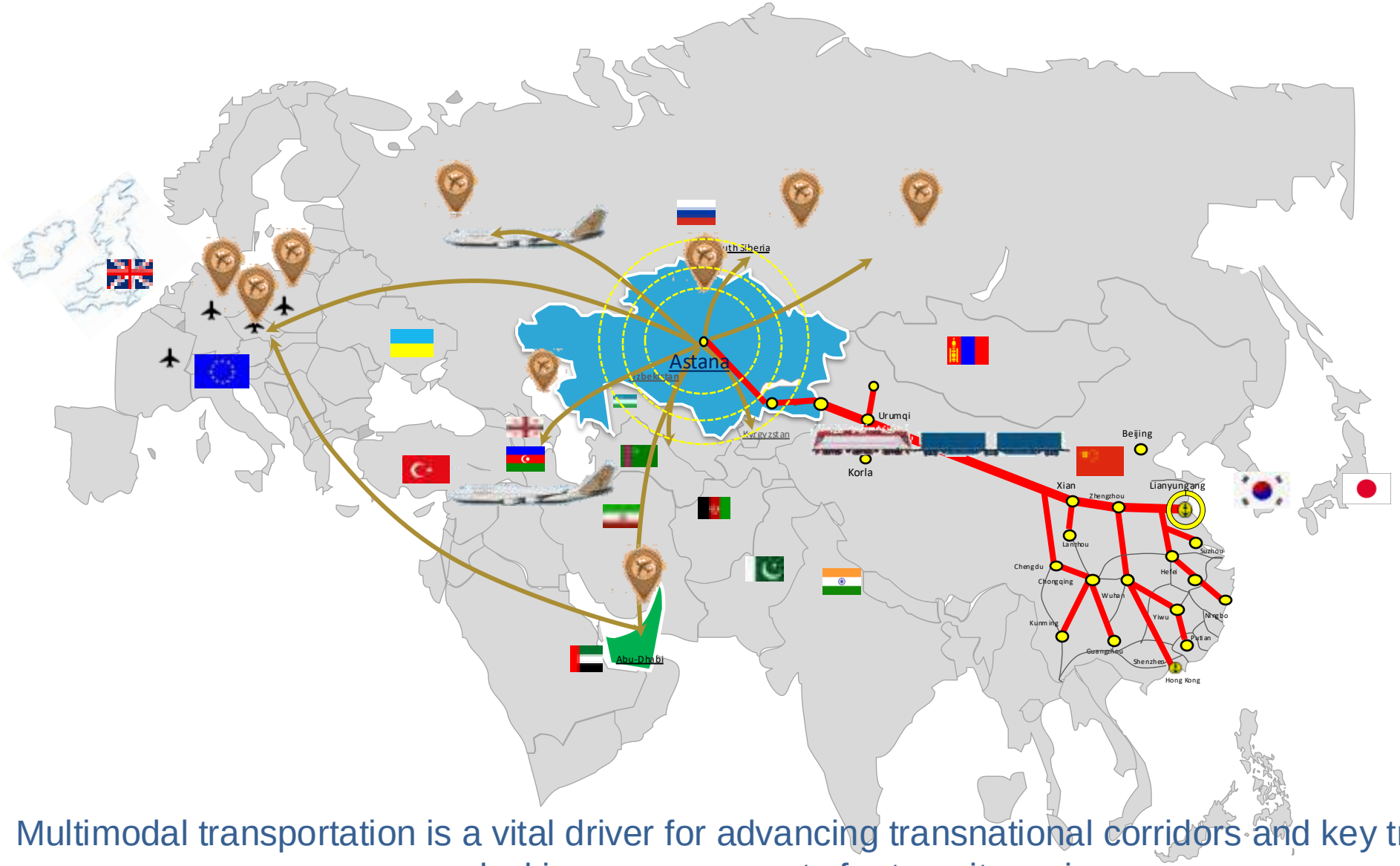
Cargo turnover	Transit	Export	Profit	Total road length	Locomotive fleet	Staff size	Ranking by number of employees in KZ
27 million tons-km (2024)	32 million tons (2024)	86 million tons	137 billion tenge (284 million €) (2024)	16 006 km	1733 units	Over 100,000 people	Top-1



Container transit dynamics, thousand TEUs

Over the past 10 years, container transit has increased by 4.7 times (from 270 thousand TEUs in 2013 to 1,282 thousand TEUs in 2023).

Development of transport and transit potential



Multimodal transportation is a vital driver for advancing transnational corridors and key trade hubs, unlocking new prospects for transit services.

TRANSIT, LOGISTICS MANAGEMENT, AND FREIGHT FORWARDING

Implementation of the project "Single Digital Window"

Provision of logistics services on a one-stop-shop basis

BUSINESS PROCESS OF SERVICE PROVISION

Residents
Legal/Individuals

Appeal
Transportation Request

Non-residents
Legal entities/Individuals

Commercial offer
Contract

e-gov

Call center

Channels for receiving requests on the 1462 platform

Web portal

KTZ EXPRESS

Кедентранссервис

КАЗТЕМИРТРАНС

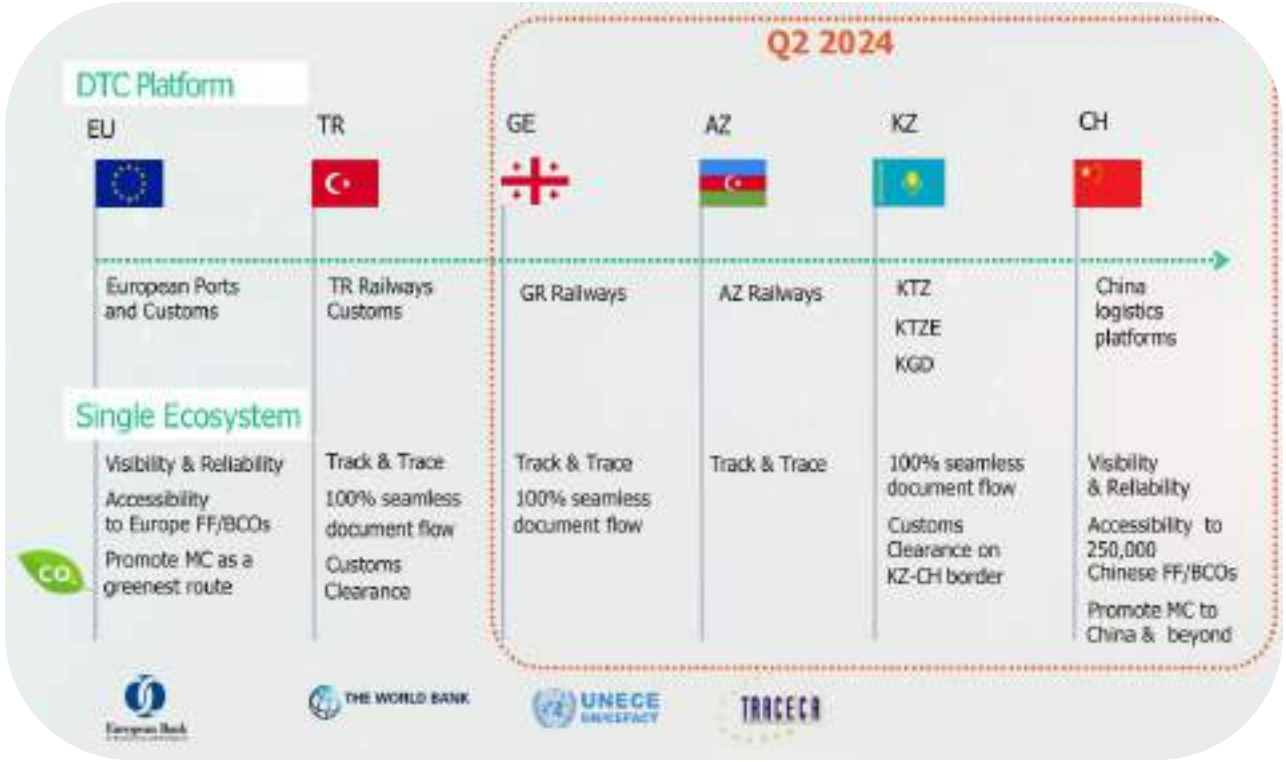
КТЖ-Грузовые перевозки

SERVICE CATALOG

- Multimodal Transportation
- Freight Forwarding Services
- Railcar Operations
- Intermodal Platform and Container Operations
- Terminal and Warehousing Services
- Transit Shipment Planning
- Customs Services
- Online Contracting for
- State Enterprise Services

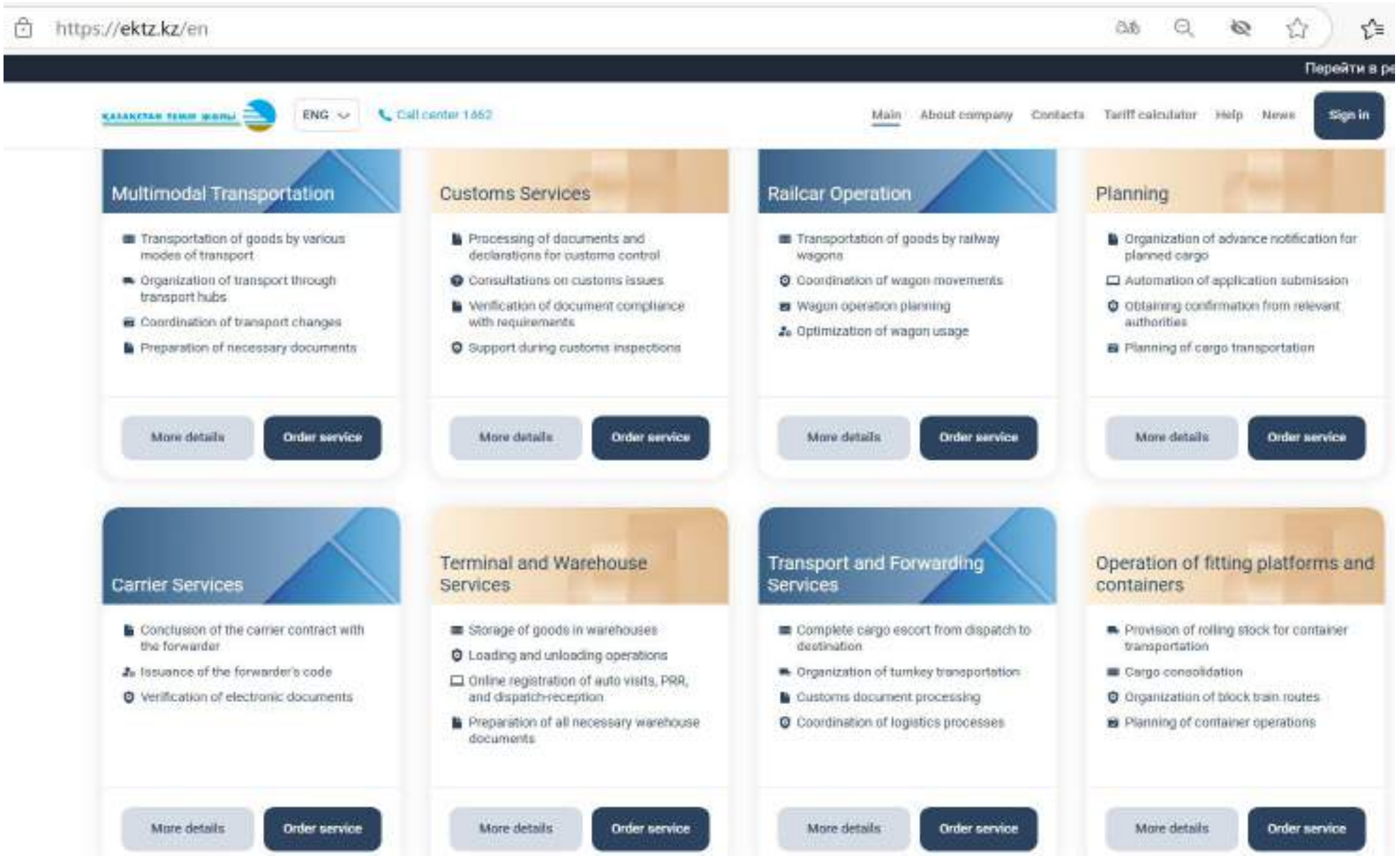
Creation of a digital trade corridor along the TITR in cooperation with Global DTC

Automatization of the customs transit clearance process

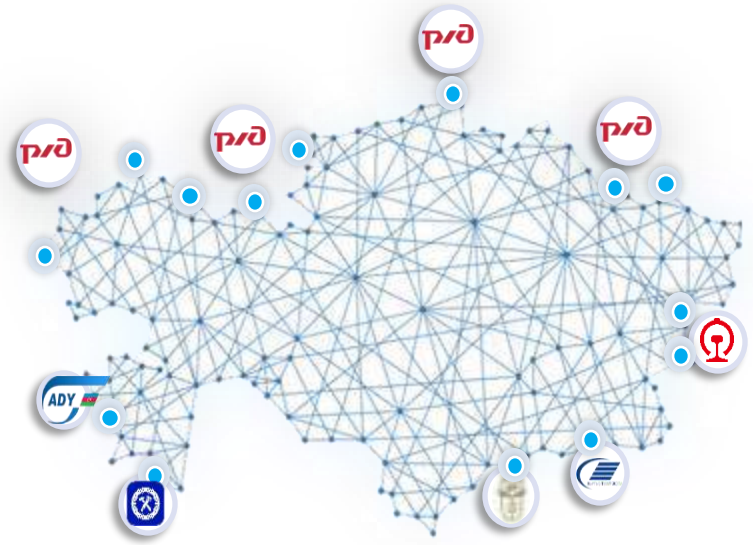


A Declaration has been signed to launch a digital corridor between JSC "KTZ Express" and Global DTC Ltd to continue the project on customs clearance of electronic transit of goods transported by rail from China to European Union countries via Kazakhstan, aiming to digitize the TITR route (Middle Corridor).

THE SINGLE DIGITAL WINDOW



ELECTRONIC EXCHANGE AT THE INTERNATIONAL LEVEL (EDIFACT standard)

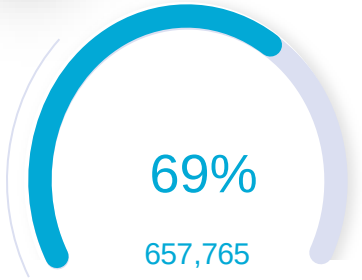


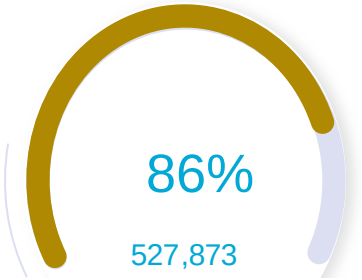
15

International Railway Border Crossings

Paperless technology

Efficient handling of transport documents enabled by paperless technology and **e-signature**s.





For the first 9 months of 2024, registered in ASU DKR

CR	iftmin	received : 805,856	sent: 356,093
KTJ	iftmin	received: 4,381	sent: 51,411
ADY	iftmin	received: 1,646	sent: 23,783
UTY	iftmin	received: 50,381	sent: 100,867

MULTIMODAL INFORMATION EXCHANGE USING UN/CEFACT STANDARDS

CIM-SMGS railway consignment note referenced to the UN/CEFACT Multi-Modal Transport Reference Data Model, according to the prepared XML schema for CIM-SMGS.

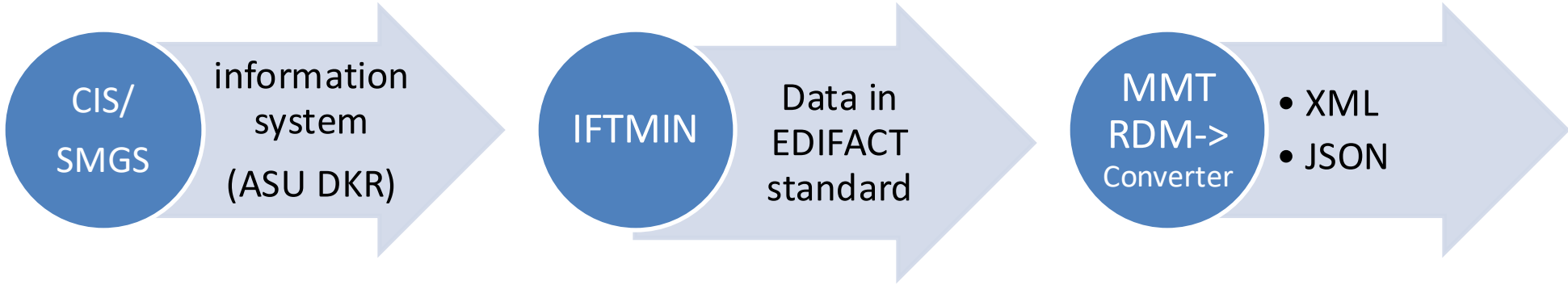
In 2024 OSJD/RZD and UN/CEFACT experts created a technical specification for the SMGS electronic consignment note using UN/CEFACT and Multi-Modal Transport Reference Data Model standards (OSJD leaflet O+P 947).

PILOT:

- Pilot digitalization of CIM/SMGS railway consignment note in the Trans-Caspian Corridor led by **TRACECA** with other partners
- In May 2023, 5 railway agencies (KZ-AZ-GE-UA-TR) signed MoU to digitalize CIM/SMGS using UN/CEFACT standards. Prototype eCIM/SMGS developed and virtually tested

UN KTI

- Focus: eCIM/SMGS consignment note using UN/CEFACT
- Pilot: Kazakhstan, Turkmenistan, Iran test eCIM/SMGS with parallel paper exchange (*testing prototype*)
- Goal: Enhance multimodal interoperability
- Support: UNECE, ESCAP, ECO, OSJD, and KTI governments.



KAZAKHSTAN RAILWAYS

THANKS FOR YOUR ATTENTION