



Kazakhstan Logistics Passport (KLP)
Unlocking Seamless Trade: The Logistics Passport Concept
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Session 2: Ongoing CAREC Trade Facilitation Initiatives on Customs Development: Studies about CAREC Border Crossing Points and Corridor Performance Measurement and Monitoring (CPMM)

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Agenda

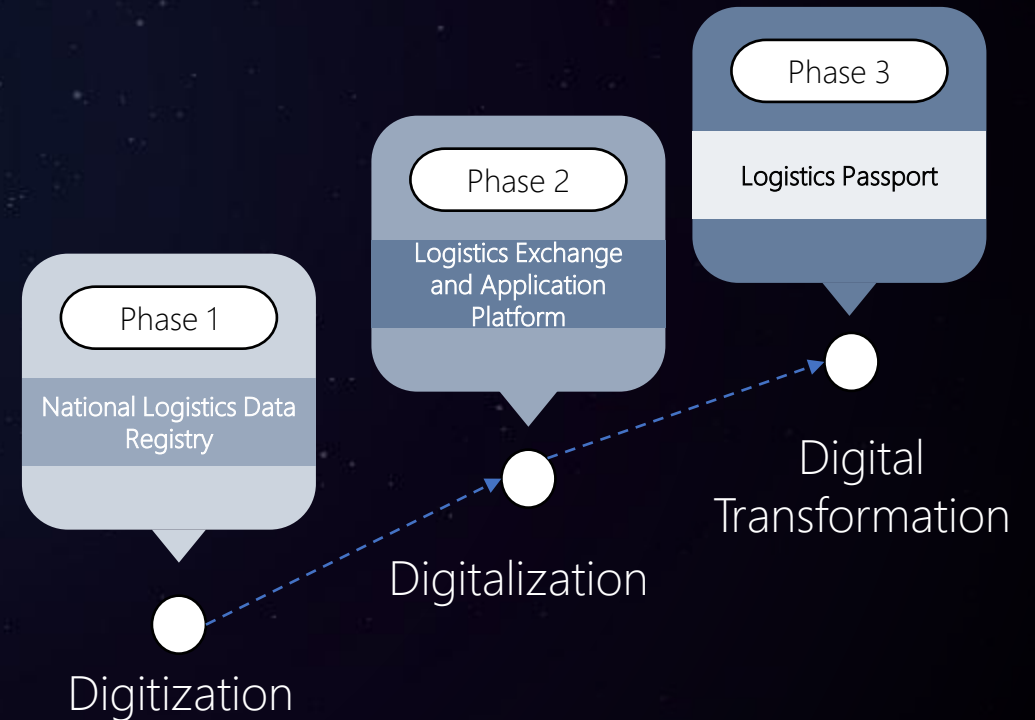
1. What is Passportization?
2. Ther L.I.N.K. Framework
3. How It Works
4. Question and Answer

What are the current pain-points of contemporary transport?

- X Extensive paperwork (lack of digitalization)
- X Siloes of data and information across ministries and agencies
- X Difficult to have visibility of freight flows outside of the country

What is Logistics Passportization?

Logistics passportization refers to the structured digital identification, classification, and governance-based registration of logistics infrastructure, operators, and service providers within a unified national framework.



Functional scope of KLP

Scope 1	Scope 2	Scope 3
<p><u>Static Registry</u></p> <p>A central database of logistics operators, assets, and infrastructure, with: Company profiles (carriers, warehouses, etc.) Licenses, permits, compliance records Infrastructure inventory</p>	<p><u>Rating Platform</u></p> <p>A national logistics rating system that assigns: Scores / tiers (A, B, C, etc.) Digital "passport" for each operator</p>	<p><u>Analytics Hub</u></p> <p>An aggregator of data visualized in the form of performance dashboards for policy planning and decision making.</p>
<p>Core functions Registration & verification Document repository Compliance status tracking Basic classification (e.g., certified / non-certified)</p>	<p>Core functions Operator scoring engine Risk profiling (compliance, safety, performance) Certification & accreditation Public/private visibility of ratings</p>	<p>Core functions Centralize all information from multiple sources Visual dashboards (can employ AI to perform analysis)</p>

L.I.N.K. FRAMEWORK

FOR THE KAZAKHSTAN LOGISTICS PASSPORT (KLP)

L

LOGISTICS ECOSYSTEM MAPPING

-  Facilities and Assets
-  Stakeholders
-  Data Sources

I

INTEROPERABILITY & INTEGRATION

-  APIs & Data Standards
-  Platform Connectivity
-  Cross-Border Exchange

N

NATIONAL GOVERNANCE & DATA ARCHITECTURE

-  Legal Framework
-  Data Governance
-  Institutional Roles

K

KNOWLEDGE, INVESTMENT & SUSTAINABILITY

-  Roadmap
-  Investment
-  Capacity Building

Foundation:



Transparency



Trust



Regional Alignment

Logistics Ecosystem Mapping

Facilities and Assets

- ✓ Logistics Parks
- ✓ Special Economic Zones
- ✓ Transport and Logistics Centers (TLC)
- ✓ Warehouses
- ✓ Sea Ports
- ✓ Dry Ports
- ✓ Multimodal Terminals
- ✓ Train Terminals
- ✓ Truck terminals
- ✓ Border crossing Points
- ✓ Railway Network
- ✓ Roads Network
- ✓ Rolling Stocks (wagons, locomotives)
- ✓ Containers
- ✓ Supporting infrastructure (tunnels, bridges)

Stakeholders

- ✓ Ministry of Transport
- ✓ Regional administration / Akimats
- ✓ Committee of Highways of the Ministry of Transport of the Republic of Kazakhstan
- ✓ Joint-Stock Company "National Company "KazAvtoZhol" (JSC "NC KazAvtoZhol)
- ✓ Union of International Road Carriers of the Republic of Kazakhstan (KazAto)
- ✓ Committee of Railway and Water Transport of the Ministry of Transport of the Republic of Kazakhstan
- ✓ Kazakhstan Temir Zholy National Company JSC
- ✓ The Kazakhstan Association of Wagon (Container) Carriers and Operators (KAZACO)
- ✓ The Association of National Freight Forwarders of the Republic of Kazakhstan (KFFA)
- ✓ Civil Aviation Committee (CAC)

How the Passport Works (Concept)

External Applications

Passport

Smart cargo

E-Joldar

Keden

CargoRuqsat

and other information systems



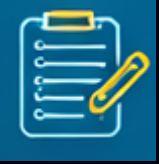
Passport



Intelligence-driven Analytics and Dashboard

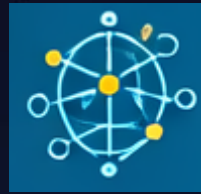
How the Passport Works (Phased Implementation)

Phase 1: Registry and Rating



- ✓ Identify transport and logistics companies
- ✓ Record their company data into the Passport
- ✓ Integrate with other applications
- ✓ Include the Warehouse Classifications (A, B, C)
- ✓ Once company grading standard is developed, include this into the Passport

Phase 2: Analytics



- ✓ Identify the key performance indicators (KPIs)
- ✓ Design the visual dashboards
- ✓ Introduce machine learning to aggregate and analyze data
- ✓ Process data into information to support decision making
- ✓ Produce the mobile versions (iOS and Android)

Thank You!

Question and Answer



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