Digital Codex and Norms and Regulations towards E-resilient Infrastructure at Transboundary Levels
"Holding “Zerde” JSC – the largest IT Holding, the National Institute for Development in the field of ICT.

The status of the basic organization of the member States of the Commonwealth of Independent States for methodological, organizational and technical support of work in the field of IT.

THE HOLDING'S MISSION:
Create global digital solutions to improve the quality of life

MAJOR PROJECTS:
- E-Gov
- Architectures for state bodies
- Information system of paperless document management in the field of air cargo transportation E-freight
- IT Project Management
- Carrying out work within the framework of national, interstate and international standardization in the field of ICT
- Unified Technical Inspection Information System
- Information system for accounting of certain types of petroleum products
- Smart Data Ukimet

On the market since
2008

The company’s net profit
over 6 350 000 $

A team of more than
2 500 employees

4 SUBSIDIARIES
E-resilience

Sustainable ICT infrastructure

ICT to ensure the sustainability of society

Republic of Kazakhstan and E-resilience

4G network coverage – 75.3%

Number of mobile cellular subscribers – 77.57 per 100 persons

Households with computers – 80.53%
And with access to Internet – 87.59%
E-resilience

- Work of National Internet Traffic Exchange Center (Peer-to-Peer Center)
- Stability of the domain space .KZ is supported due to the wide placement of DNS servers and backup of the root infrastructure
- The National Anti-Crisis Response Plan for Information Security incidents has been approved, describing a set of actions to reduce the impact of information security incidents on the state of stability of informatization facilities
- Working network of commercial SOC centers

**Priority tasks**
- Increasing the requirements for data centers to the Tier III certificate level of Uptime Institute
- Development of backbone broadband networks

**During crises, it will ensure continuous:**
- provision of public services
- provision of education for school children and students
- the opportunity for businesses to continue their activities
- banking services
- logistics support.
Single Codified Act (Digital Codex)

1. Application of digital technologies in public administration
2. Formation of a modern fault-tolerant infrastructure capable of meeting the needs of citizens of the state
3. Access to data and their ownership
4. Development of international cooperation on information security issues
5. Ensuring information security
6. Cross-border transfer of information

Conflict resolution in the information space
Thank you for attention!