MINISTRY
OF INFRASTRUCTURE OF UKRAINE

iCYBER

CYBERSECURITY INFRASTRUCTURE OF TRANSPORTATION INDUSTRY

2018

INITIATIVE

iCYBER – industry cybersecurity infrastructure

Ukraine is facing annually increasing number of cyber attacks, especially targeting the critical infrastructure

To secure the maximum level of cyber security and constant uptime of systems, iCyber will be launched

iCyber will be a dedicated umbrella organization to secure and improve the level of security in all infrastructure companies under Ministry of Infrastructure

iCyber will be responsible for monitoring, protection, reacting and training of the systems and security specialists

Center will be self efficient state enterprise and financed by Ministry of Infrastructure of Ukraine, organizations and donors

Partnerships with local and international CERTs, NATO cyber security center, security companies and institutions

iCYBER - main principles

iCyber has international, national and sectorial dimensions

iCyber will be tightly cooperating with CERT-UA, SBU, Cyber police, regional security operational centers and top rated IT companies to ensure maximum level of exchange of information and cooperation

iCyber will ensure the security standards, monitoring, alerts and training for all of the organizations under Ministry of Infrastructure, including railway, ports, airports, national postal services, ensuring constant uptime of critical systems

iCyber will be launched by decree of Minister of Infrastructure by end of September

Main components of iCyber are **CyberCenter** and **CyberNet**

iCYBER – components

1. Cyber Center:

CyberCenter is a centralized area where there is a consistent aggregation of information and services through cyberspace monitoring and detection tools for the purpose of further prompt, systematic and systematic prevention of cyber threats;

2. Cyber Net:

CyberNet is a decentralized zone, represented by sectorial institutions-entities of the system, i.e. users of information systems, telecommunication networks, computer equipment, etc. - in general, any means using information and telecommunication technologies for storage, modification and data exchange.

iCYBER – action plan and financial estimation

Minister announced the iCyber project	August 2018
Industry cybersecurity strategy development	September 2018
High and Low level technical design development	October 2018
CyberCenter integration and setup (1st stage)	November 2018
CyberCenter testing and CyberNet connection	December 2018
Expanding the CyberNet and its functionality	January 2019
Expanding the functionality of CyberCenter	2019 - 2020

CyberCenter	
1st stage (2018)	$ 1 Mln.
2nd stage (2019)	$ 2 Mln.
3rd stage (2020)	$ 2 Mln.
Total cost of the Project	$ 5 Mln.

CyberNet	
1 sensor kit per 1 enterprise	$ ~ 0,2-0,5 Mln
Total for 42 Enterprises in transportation industry	$ ~ 8,4-21 Mln.

EBIDA	> 50%
ROI	3 years
Margin rate	>25%