

Election Interference: Lessons Learned from Ukraine

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Briefly

- Why care about elections in Ukraine?
- EU *Countering Election-related Cyber Threats in Ukraine (2019)*
- Technical and strategic exercises
- Cyber hygiene workshop for parties
- Post-election assessment of cybersecurity
- Recommendations and mitigations

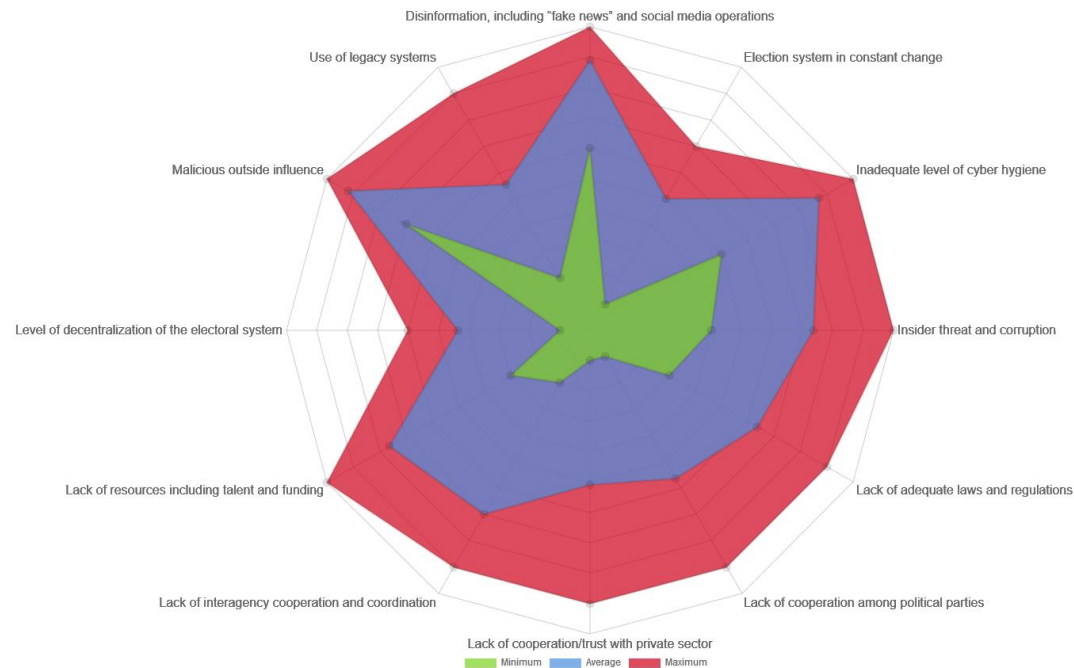
Technical cyber security exercises in Kyiv, March 2019



Strategic-Level Crisis Simulation Exercise on Election Cyber security in Kyiv, July 2019

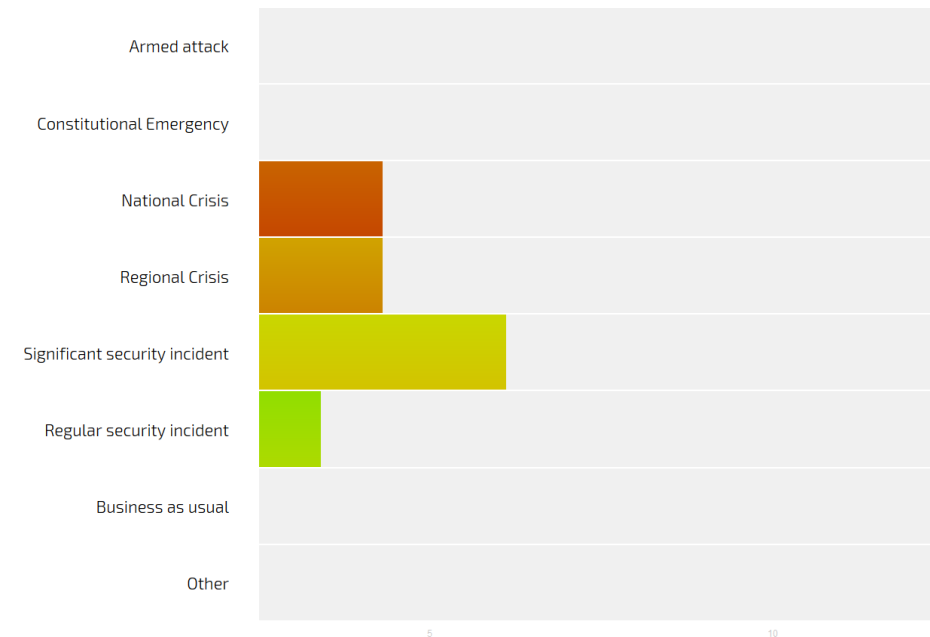
DIFFICULTIES IN ENSURING ELECTION SECURITY

On the scale of 1 – 10, where 1 is least significant and 10 is most significant, please identify what are the main difficulties in election security:

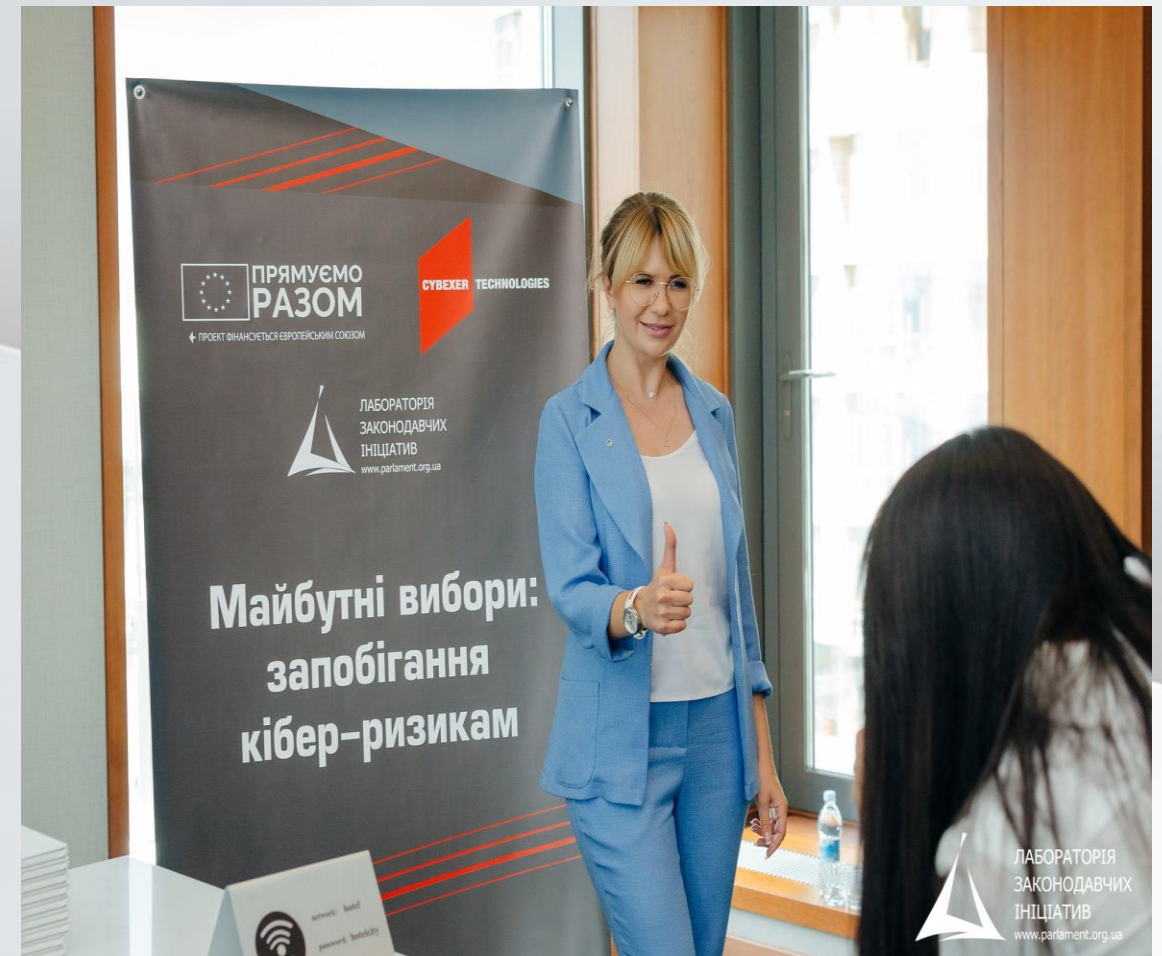


DEFINE THE SEVERITY OF THE SITUATION

Based on the information available to you at this time, define the severity of the situation:



Cyber Hygiene E-Learning workshop, Kyiv July 2019



Post-election report, October 2019



POST-ELECTION ASSESSMENT OF THE CYBERSECURITY INFRASTRUCTURE AND INTERAGENCY COOPERATION IN UKRAINE WITH RELATED RECOMMENDATIONS

Top 3 risks & recommendations for IT infrastructure

- | | |
|---|---|
| <ol style="list-style-type: none">1. IT systems of the CEC not listed as critical infrastructure2. Outdated security measures3. Outdated physical security measures Deciding the course of action, defining the level of the crisis, adopting guidelines to communication, etc. | <ol style="list-style-type: none">1. Include the CEC IT systems Vybory and SVR in the official list of critical infrastructure2. Regular conduct of risk analysis and risk assessment.3. Assess physical risks to infrastructure including workstations |
|---|---|

Top 3 risks & recommendations for interagency cooperation

- | | |
|--|---|
| 1. Unclear responsibilities for the protection of electoral systems | 1. Document and formalize the best practice of 2019 elections <i>ad hoc</i> cooperation measures |
| 2. Unclear criteria for the selection of experts to the Election Protection Task Force | 2. Guidelines about specific functions and roles of experts that are needed to support the CEC |
| 3. Cooperation with all third parties involved | 3. Comprehensive approach and agreements with ie system developers, hosts, support service providers etc. |

CybExer Technologies

