Ensuring cybersecurity of industrial control systems: Life after the Federal Law on critical information infrastructure

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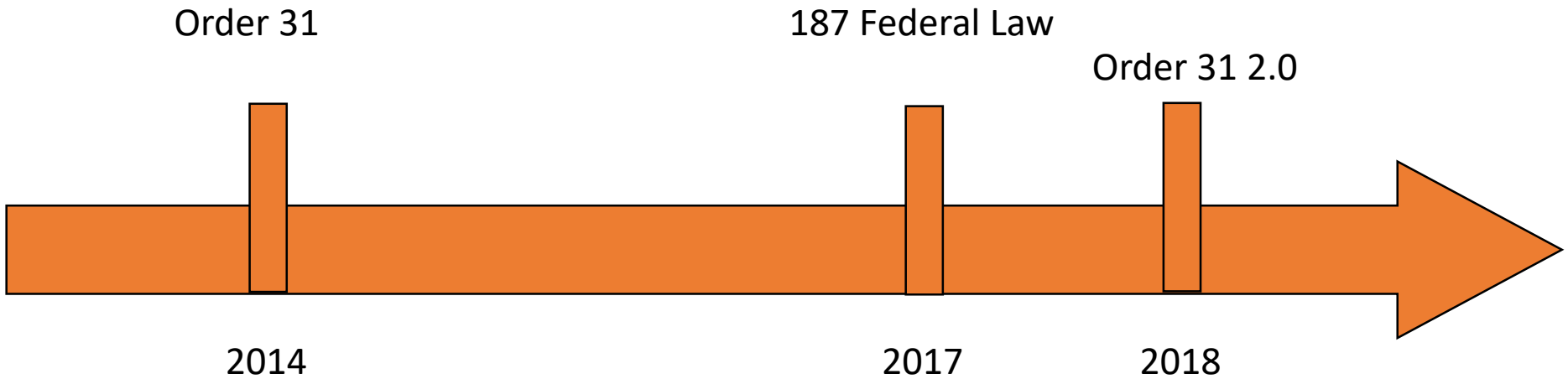
What will be discussed?

Before and after



All clear

The new Law, the new beginning…

It's too bad?

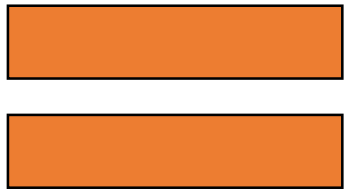
A lot of work has been done…

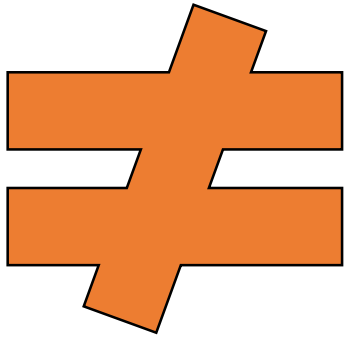
0. Object of protection

Starting point

- For process control systems "conducted" work on the 31 Order
- Owner – CII subject
- ICS provides automation of the critical process and 127-GD "gets" into the significant objects of CII

ICS = CII object?





1. Formation of requirements

Threat analysis and threat model development

Update the existing threat model:

- Object of protection changed (?)
- Sources of threats
- Methodical documents of FSTEC

Requirements

Update the existing Technical Requirement:

- Object of protection changed (?)
- Requirement changed (?)

2. Building cybersecurity system

Documentation

- Adjusting an existing project (?)
- Centralized project (?)

Integration and conformity assessment

- Configuring existing security features
- Centralized management of security features
- Analysis and correlation of cybersecurity events

3. Organizational structure

Is change inevitable?

- What is now?
- What is required by law?
- Organizational and administrative documentation
- New employee?

Cybersecurity forces

- Updating Organizational and administrative documentation
- The order №235 FSTEC (section II)
- Requirements of the FSB

Overall results

- Don't start over, but continue
- Updating cybersecurity system (31 order) = cybersecurity system (187 Federal law)
- Building organizational processes

Thank you!