Industrial Security - EU Updates

The 3rd RRI Industrial IoT International Symposium for Connected Industries

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Thomas Walloschke, 2017-11-30, Tokyo
“Evolving norms, improving harmonisation and building resilience“

Excerpt from the speech by Vice-President Ansip
at the Chatham House annual cyber conference on 26 June 2017

“…Cyber-attacks on critical infrastructure - manufacturing plants, power grids, chemical plants, transport and water systems, financial networks, even nuclear facilities – are the new reality…”

“… Cybersecurity is now at the top of the list of business risks - and not just for the financial sector. It affects every one of us….”
Cybersecurity and Society in Europe

Awareness and Insights of European Citizens

- 45% installed or changed antivirus software
- 35% are opening emails only from known sources
- 61% admit that security and privacy features play a role
- 27% are willing to pay more for this
Cybersecurity Act

REGULATION on

- ENISA, the "EU Cybersecurity Agency"
- repealing Regulation (EU) 526/2013
- Information and Communication Technology cybersecurity certification

2016: adopted Communication on Strengthening Europe's Cyber Resilience System and Fostering Competitive and Innovative Cybersecurity Industry

First EU Cybersecurity Strategy adopted in 2013

Directive on Security of network and information systems
Cybersecurity Act - Action Points

- Evaluation and Review of Regulation (EU) No 526/2013
- Repealing ENISA Regulation

ENISA (Advisory Role)
ENISA + NIS (New Executing Role)
NIS

Reviewed +++ Regulation 526/2013
Regulation 526/2013
Cybersecurity Act – Focus Areas

- **NIS Directive**
  - risk management
  - security requirements as legal obligations for key economic actors
  - essential services (Operators of Essential Services – OES)
  - Regulates on key digital services (Digital Service Providers – DSPs).

- **IoT Security**
  - seen as essential to safeguard digitalisation and connected devices (the Internet of Things – IoT)

- **Security certification**
  - for ICT products and services
  - increase trust and security in the digital single market
  - ICT cybersecurity certification for connected and automated cars, eHealth, industrial automation control systems (IACS)