

# Seventeen Years With the ISO/IEC 27k Family of Standards

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# Agenda

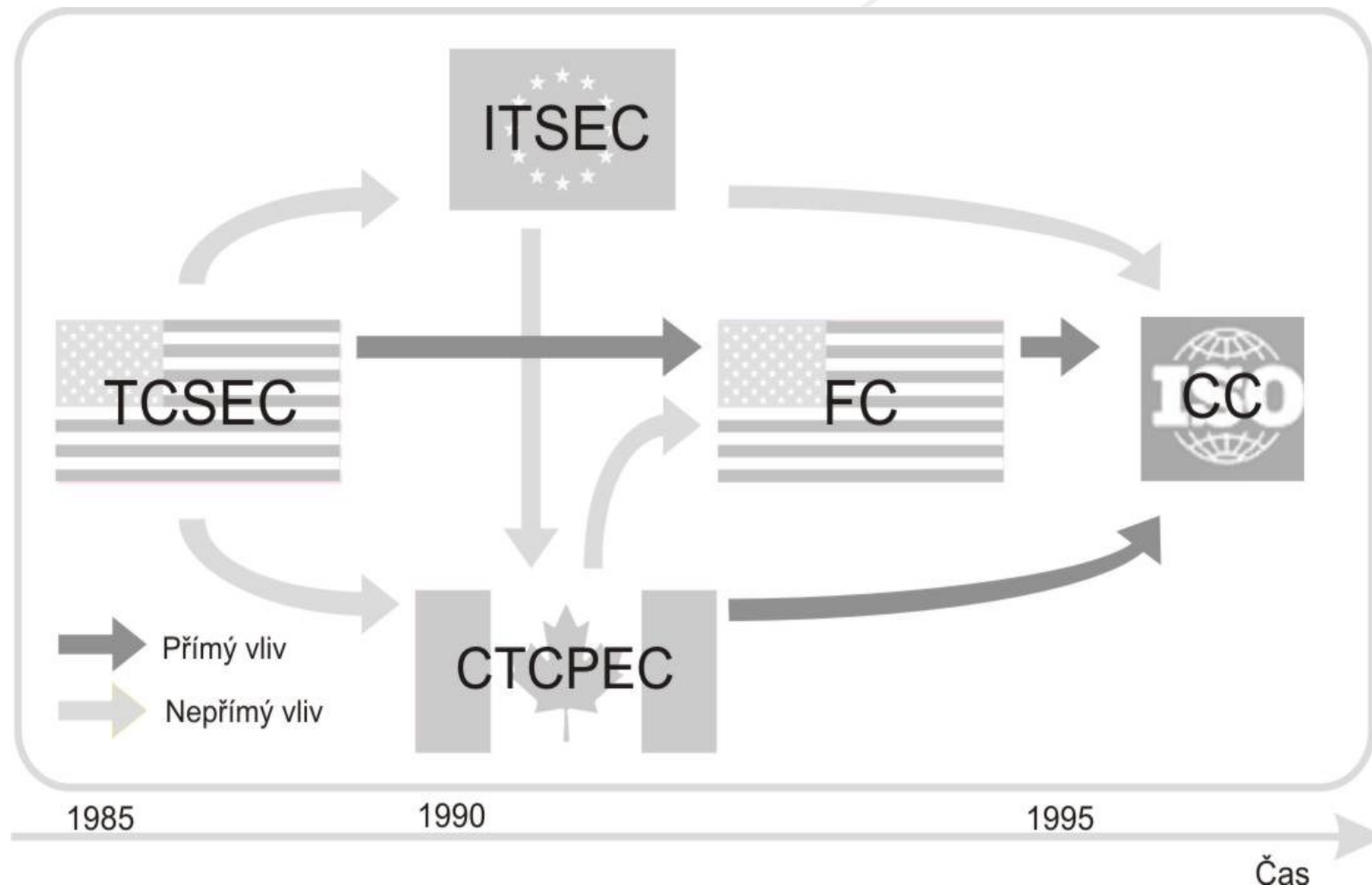
- ISO/IEC 27000 From dark history to the present
- Structure of the norm ISO/IEC 27002:2022.
  - Comparison to the old one
- Expected changes in 27k family
- Conclusions

# VSE Introduction

The current penetration of information systems into the economy, including its current globalization, practically makes all our activities critically dependent on information systems. Dependence on digital data also requires to trust them. Users' trust in the data in information systems is one of the fundamental features of the security of information systems. Cyberspace action associated with the war in Ukraine clearly show the importance of protecting data. Since there are no borders in cyberspace, any attack between the parties to the conflict has an impact on their surroundings, allies and sympathizers. There is a reason why the National Cyber and Information Security Agency issues a warning about cyber-attacks against authorities and organizations in the Czech Republic.

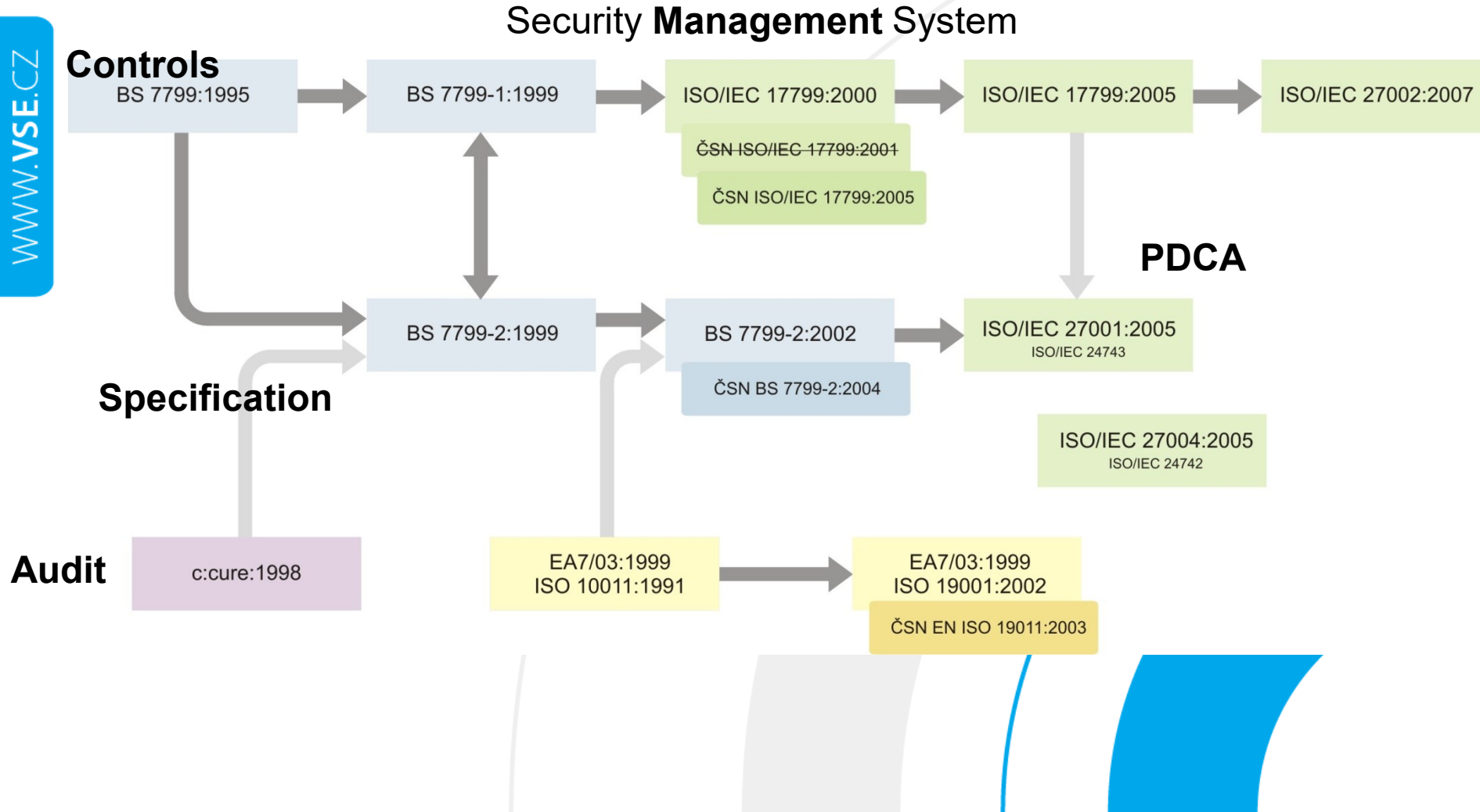
# ISO/IEC 27000 From the Dark History to the Present

## Security Evaluation Criteria



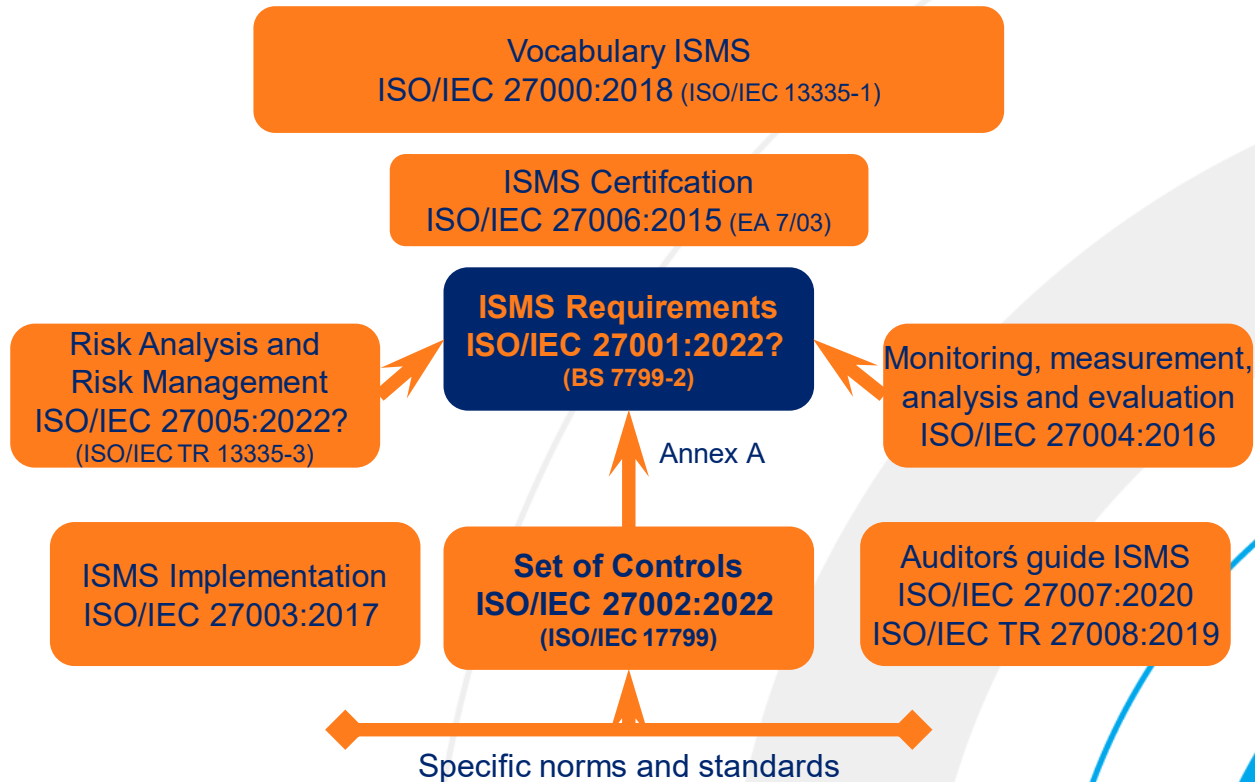


# ISO/IEC 27000 From the Dark History to the Present





# ISO/IEC 27000 From the Dark History to the Present



## Information security clauses

Information security policies

Organization of information security

Human resource security

Asset management

Access control

Cryptography

Physical and environmental security

Operations security

Communications security

Systems acquisition, development and maintenance

Supplier relationships

Information security incident management

Information security aspects of business continuity management

Compliance



# ISO/IEC 27002:2022 - Structure

WWW.VSE.CZ

**Organizational  
Controls**  
37

**People  
Controls**  
8

**Physical  
Controls**  
14

**Technological Controls**  
34

It evokes requirements for ISO/IEC 27001 changes



The layout of the standard has also improved in terms of individual controls. The layout for each control contains the following:

Control title: Short name of the control;

Attribute table: A table shows the value(s) of each attribute for the given control;

Example for control “Policies for Information Security”

Control type	Information security properties	Cybersecurity concepts	Operational capabilities	Security domains
#Preventive	#Confidentiality#Integrity#Availability	#Identify	#Governance	#Governance_and_Ecosystem #Resilience



# Conclusions

- An effective tool for managing information security at the business organization level
- Permanent maintained system
- Relatively short reaction time on new trends in security.
- Best practices.
- New standards – cyber security ISO/IEC 27100
- Impacts on local legal frame.

**Questions by e-mail?**

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