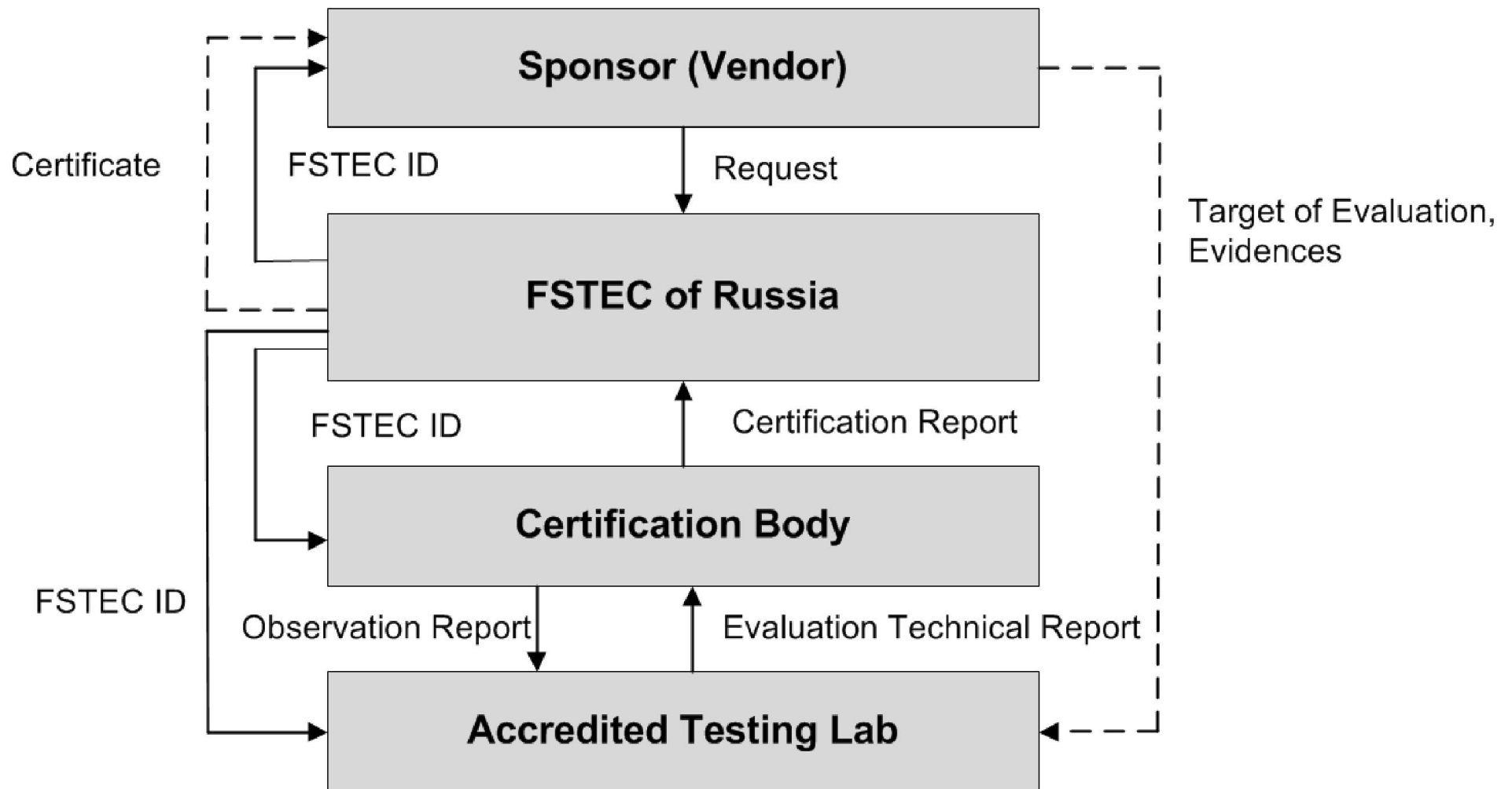# Russian IT Security Certification Scheme: New Trends

Alexander Barabanov and Mikhail Fedorov

June, 3rd, 2014

Russian IT Security Certification Scheme: who takes part in the certification process?

# Russian IT Security Certification Scheme: major approaches to certification

Certification of the functionality
- Black box testing to ensure that it works as it should

Certification for the absence of non-declared functions (NDF)
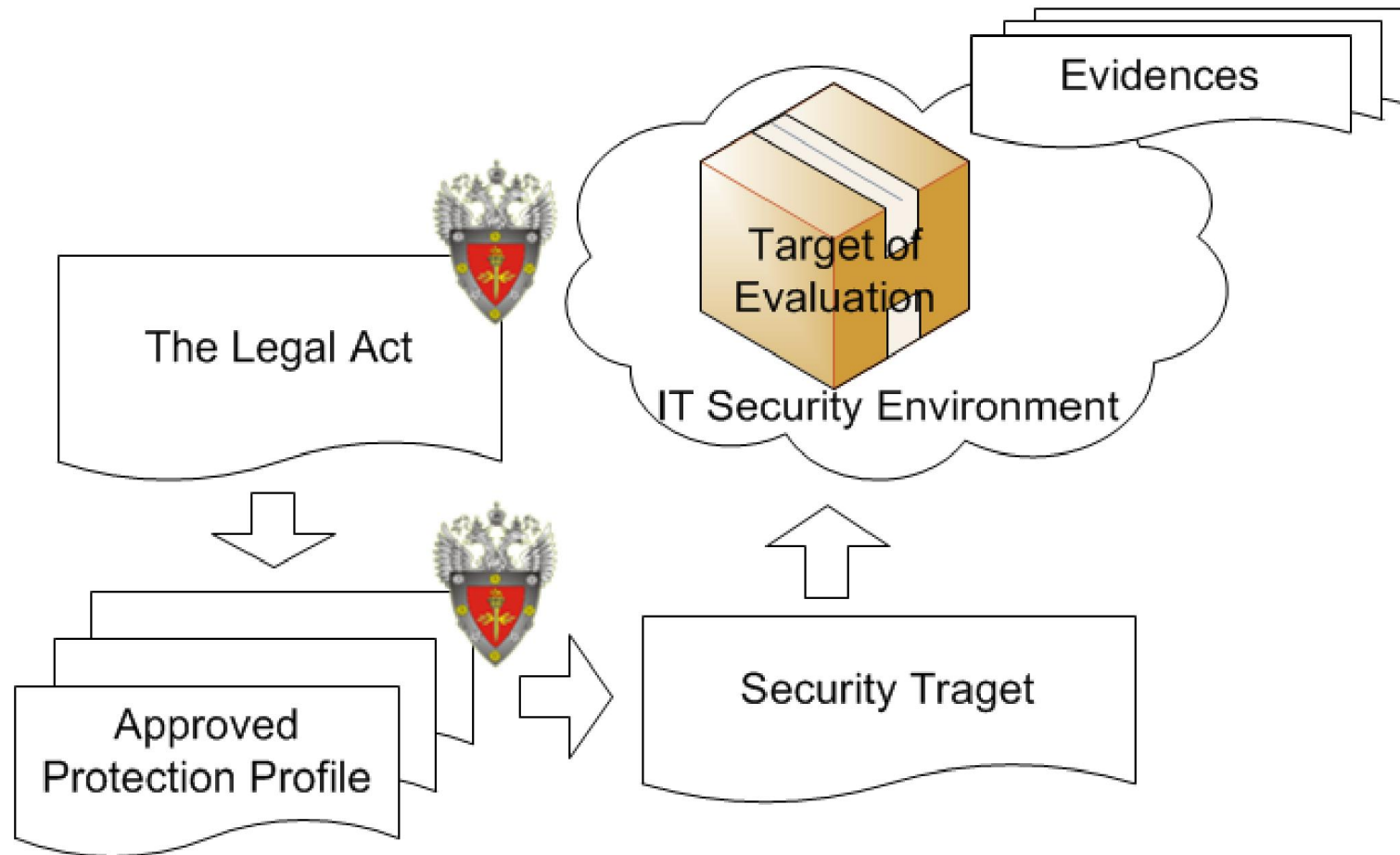- Testing of source code for the absence of software vulnerabilities

Echelon
information security

Current status: Certified Products by Types
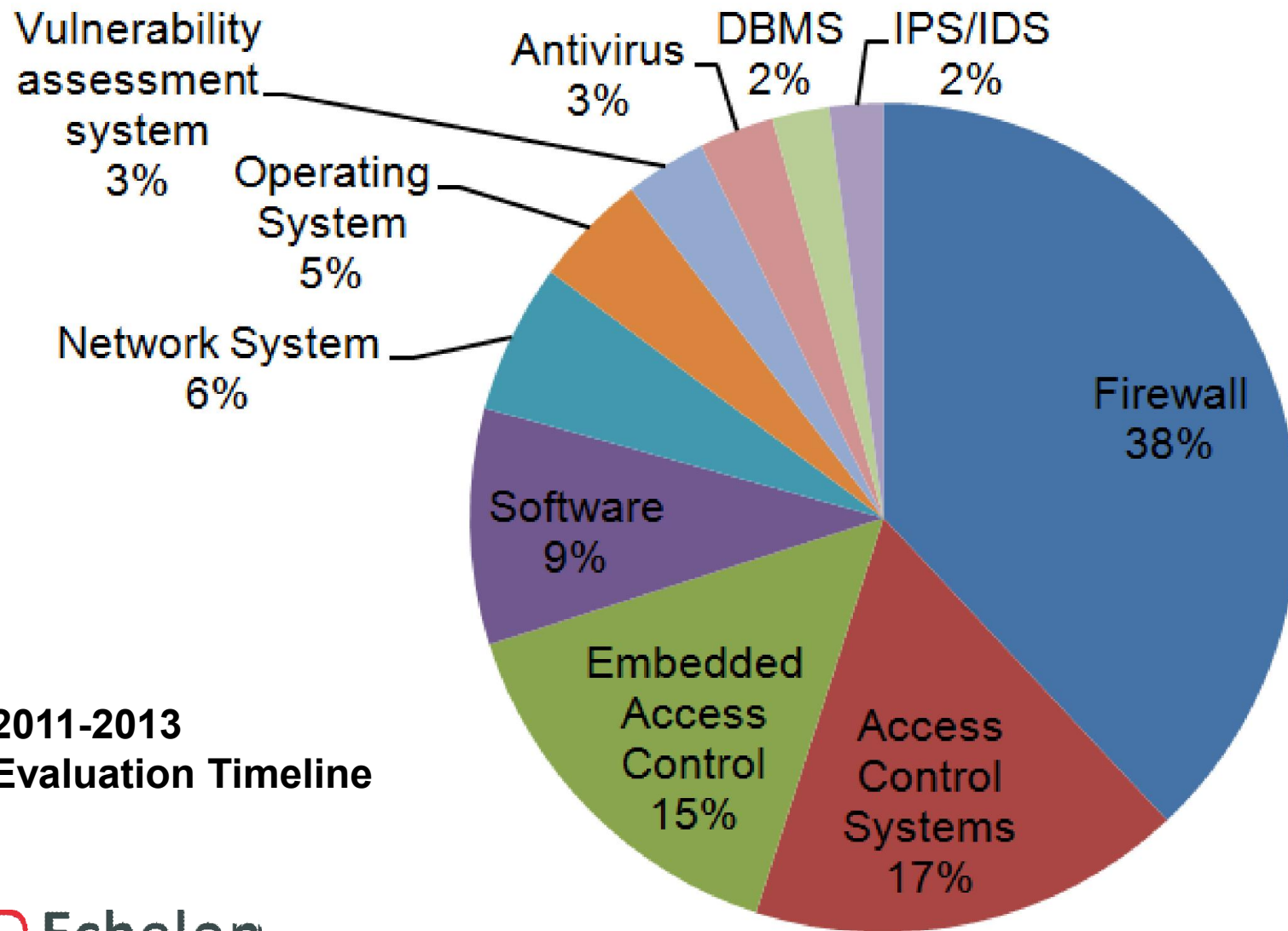
**2011-2013
Evaluation Timeline**

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4

Trend #1: Steps Toward Common Criteria Approach

Trend #2: Certificate Assurance Maintenance

- Certified update infrastructure
- Security impact analysis

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Trend #3: Steps toward Bug Free Software

ISO/IEC 27001 compatibility

ISO/IEC 27001

Common Criteria

Common criteria compatibility

"Best Practices"

Implementation of the SDL in early stages

GOST "Information protection. Secure Software Development Requirements"