PANEL DISCUSSION

DIFFERENCES BETWEEN LIGHTWEIGHT CERTIFICATION SCHEMES IN EUROPE. WILL FITCEM BE THE SOLUTION?

Panelists

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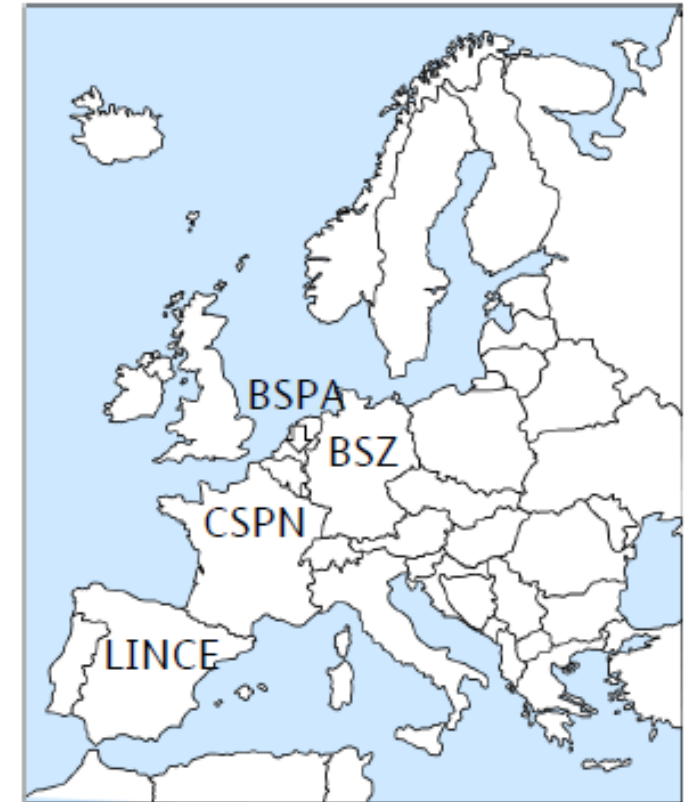
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The fixed-time cybersecurity certification landscape in Europe

- ❑ CSPN –Certification de Sécurité de Premier Niveau
- ❑ BSPA –Baseline Security Product Assessment
- ❑ LINCE –National Essential Security Evaluation
- ❑ BSZ –Beschleunigte Sicherheitszertifizierung
- ❑ and possibly more …
- ❑ … and then came the "Cybersecurity Act" with 3 assurance levels.
- ❑ … and possible verticals using them (e.g. IACS).

*Information taken from the presentation INTRODUCING FITCEM (FIXED-TIME CYBERSECURITY EVALUATION METHODOLOGY FOR ICT PRODUCTS) by Dr. Helge Kreutzmann at EUCA 2021

Design principles of EN 17640 (extract)

❏ Flexible application:
  ❏ All CSA evaluation assurance levels, including self-assessment
  ❏ Horizontals and verticals
  ❏ Adaptable by parameters where possible

❏ Bare minimum required by CSA shall be possible
❏ Existing methodologies (LINCE, CSPN, …) should be reproducible

❏ The workload on the developer shall be reduced where possible
  ❏ This might imply higher work load for evaluators

❏ Evaluator competence is important

❏ This is not a "lightweight" CEM (ISO/IEC 18045)

EN 17640

Evaluation Tasks

- ❑ Completeness check
- ❑ Protection Profile / Security Target evaluation / Review of security functionalities
- ❑ Development documentation

- ❑ Evaluation of the TOE installation

- ❑ Conformance testing
- ❑ Vulnerability review
- ❑ Vulnerability testing
- ❑ Penetration testing

- ❑ (Basic) crypto analysis
- ❑ Extended crypto analysis

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That's all folks!