

Germany's work on SBOM in the context of EU's CRA

SBOM-a-Rama, 29.02.2024

Outline

EU's Cyber Resilience Act

Technical Guideline on SBOM
by BSI



What is the Cyber Resilience Act (CRA)?

- Market access regulation
 - for all products with digital elements
 - Extends the requirements of the CE Mark from safety to security
- Requirements:
 - Secure by design, secure by default,
 - Vulnerability management,
 - Security updates throughout product's lifetime, ...
 - SBOM:
 - Has to be maintained and used internally for vulnerability management
 - Does not have to be published
 - Has to be conveyed to the market surveillance authority on their request

Current status of the CRA

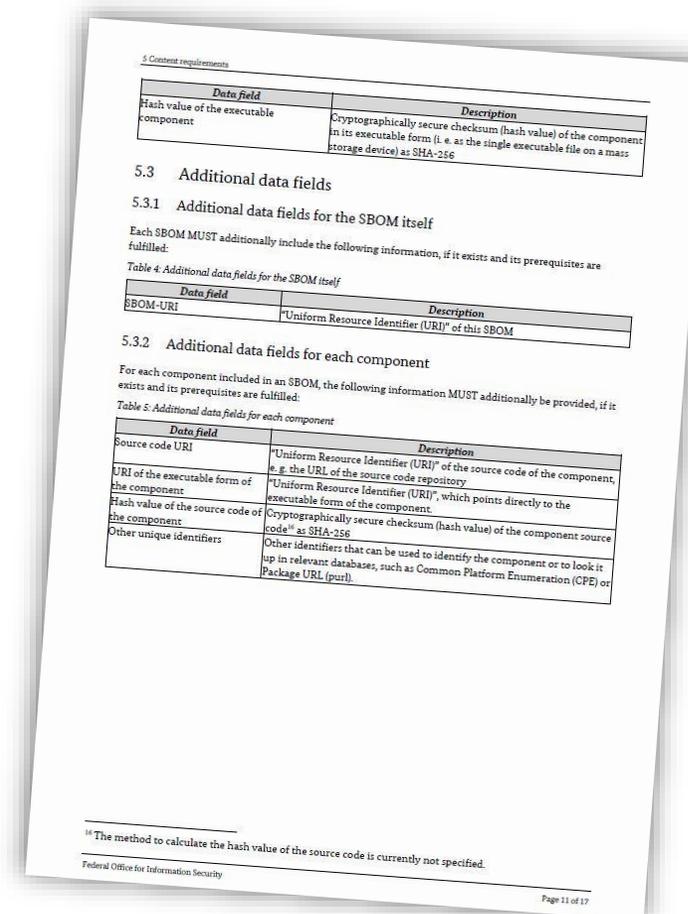
- Negotiations finished, all technical details fixed
- Legal/language polishing still needed
- Expected to be passed by EU Parliament before June 2024 (Elections of EU Parliament)
- Entry into force 36 months after publication

Technical Guideline on SBOM

- BSI published a Technical Guideline on SBOM
- Recommendation for manufacturers and basis for discussion in the EU and internationally
 - Recommended, not obligatory
 - Recognized in industry
- Requirements on content, scope, and format of an SBOM
- <https://www.bsi.bund.de/SharedDocs/Downloads/EN/BSI/Publications/TechGuidelines/TR03183/BSI-TR-03183-2.pdf>

Technical Guideline on SBOM

- Requirements on content, scope, and format of an SBOM
 - Build SBOM
 - Delivery item SBOM
 - SPDX or CycloneDX



Technical Guideline on SBOM

- Work in progress
 - Version 1.1 (English) published in January 2024
 - Currently working on version 2.0
- Expert feedback sessions with organizations
 - Open Source Business Alliance (OSBA)
 - Other industry organizations
 - SBOM specification maintainers (SPDX, CycloneDX)
- Feedback welcome
 - Send us your feedback to tr03183@bsi.bund.de

Thank you for your attention!

Contact

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