



German American  
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# German-American IT Security Forum

IT Security Association Germany (TeleTrust) in cooperation with GACC –  
German American Chamber of Commerce

San Francisco, 06.06.2022

## Cyber Hygiene – Default only by Regulation?

Matthias Intemann, Federal Office for Information Security (BSI)



# *Cyber Hygiene*

## *Default only by Regulation?*

Matthias Intemann  
6th June, 2022  
San Francisco

# Cyber Hygiene

Some basic aspects to help define the term:

- Every connected Product or Service is resistant against basic or available Attacks
- Security is configured by default
- Keys / Credentials are per Instance / Device / User
- Security Issues can be addressed throughout active (defined) lifecycle
- Point of Contact available
- Security and Lifecycle Status publicly available
- Appropriate Documentation addressing targeted Audience



## Cost of IoT Security

“Costs for 90% of our clients fall between these figures:

- \$8,000 to \$10,000 on the low end for a simple IoT device tested against a limited set of requirements, all the way up to...
- \$95,000 on the high end to fully test a complex ecosystem of connected devices and software.

Within that very broad range, your actual costs will largely depend on the complexity/scope of your offering and the number of requirements and/or controls you need to test against.”



Why there is more to it than money

# The real Cost of IoT Security

Experts will have findings. The consequences:

- Additional Development Team Resources
- Longer Time to Market
- Additional Prototype Cycles
- Weaknesses in Third Party Components usually difficult to fix



# Standards and Regulations

- ETSI EN 303 645 (2020) – Cyber Security for Consumer Internet of Things: Baseline Requirements
- Public Law No: 116-207 (12/04/2020) – Internet of Things Cybersecurity Improvement Act
- Directive 2014/53/EU Radio Equipment Directive (RED) with Delegated Regulation (2021) with regard to the application of the essential requirements referred to in article 3(3), points (d), (e) and (f) of that directive
- Cyber resilience act – new cybersecurity rules for digital products and ancillary services (CRA)



# Thank you!

Deutschland  
Digital•Sicher•BSI•

## Contact

Matthias Intemann  
Head of Branch SZ 2 - Certification

[matthias.intemann@bsi.bund.de](mailto:matthias.intemann@bsi.bund.de)

Tel. +49 228 99 9582 – 5358  
Fax +49 228 99 10 9582 – 5358

Bundesamt für Sicherheit in der Informationstechnik (BSI)  
Godesberger Allee 185 – 189  
53175 Bonn  
GERMANY

<https://www.bsi.bund.de>



Federal Office  
for Information Security