



## Cyber Security for Consumer IoT based on ETSI EN 303 645 - Explaining a Universe

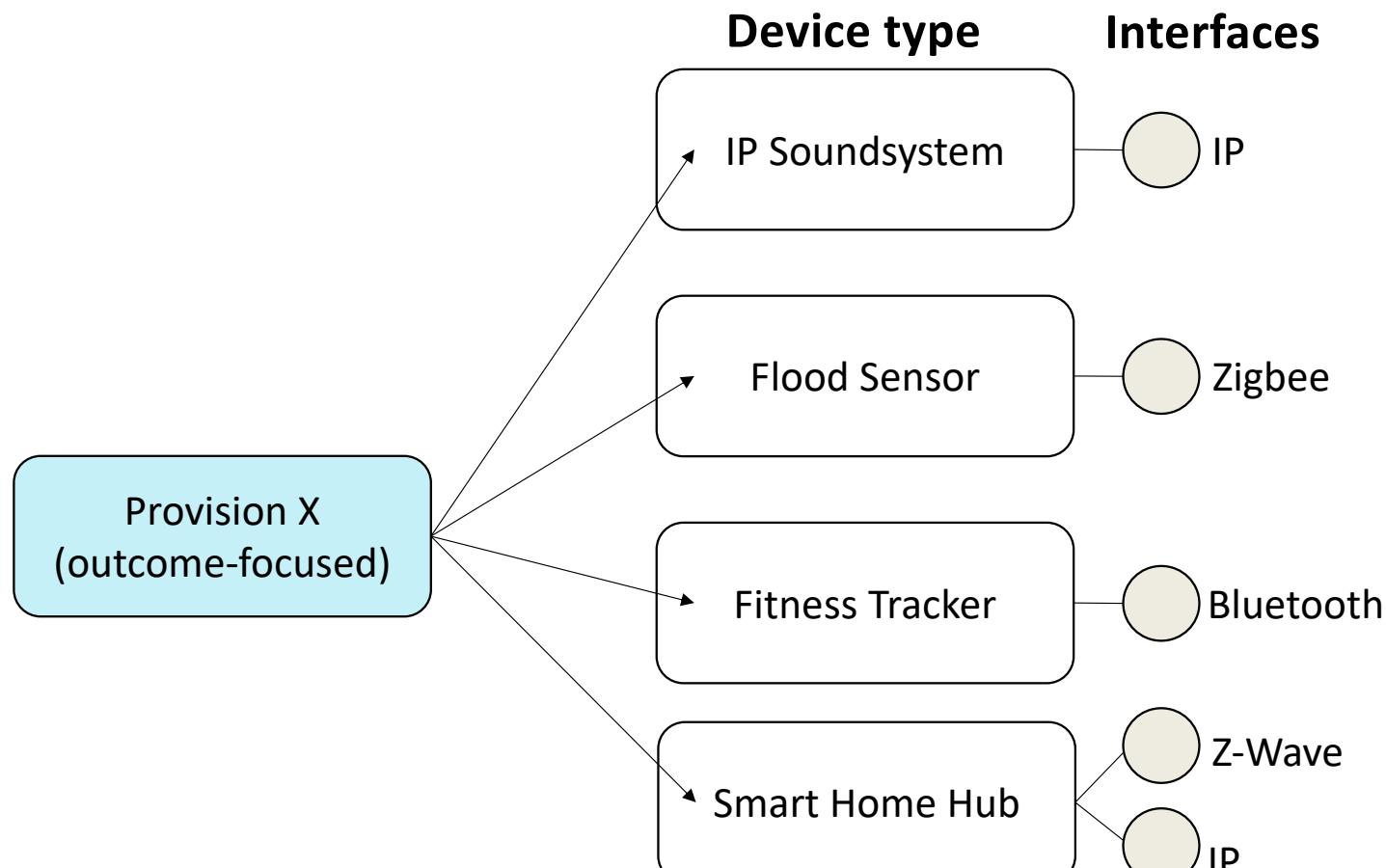
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Europäische Cybersicherheitsstandards für Consumer IoT als Basis für das IT-Sicherheitskennzeichen und die europäische Regulierung

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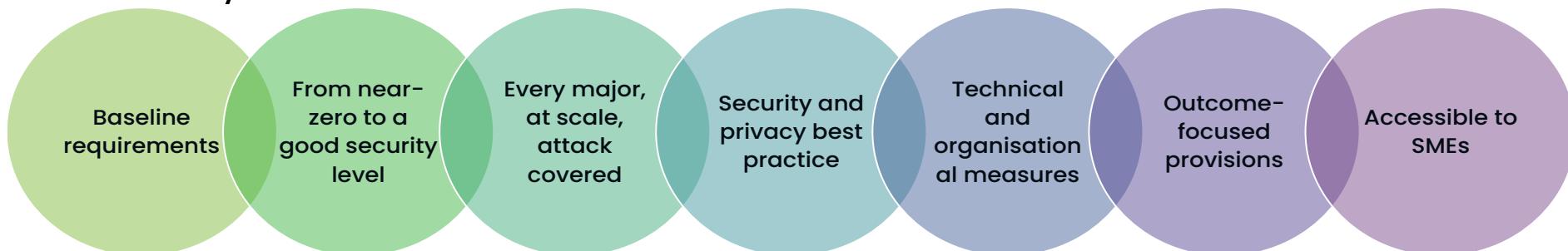
## Challenge: Implementation can vary according to product and use case



# Introducing ETSI EN 303 645 & development



- Establishes a common baseline across the European and wider global market, raising the security bar for all consumer IoT devices from near-zero to a good level.
- Contains outcome-focused provisions: to future-proof, create the necessary flexibility and cover all consumer IoT



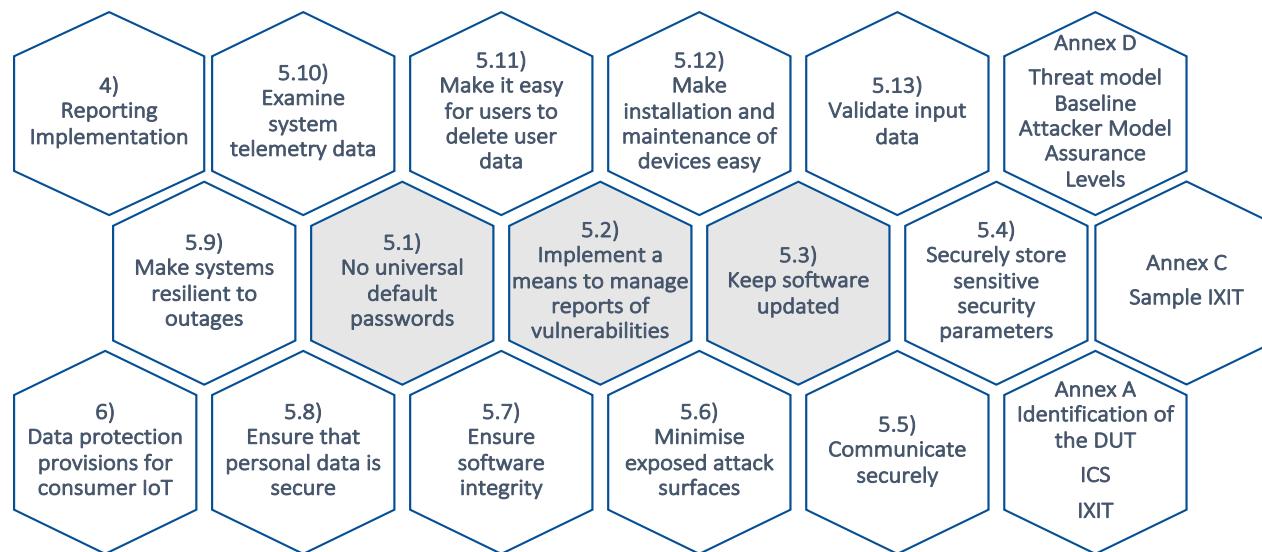
# ETSI consumer IoT security document set: overview

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# Cybersecurity assessment for consumer IoT products TS 103701

- Implementation Conformance Statement (ICS),
- Implementation eXtra Information for Testing (IXIT)
- a catalogue of generic test cases mapped from all provisions of EN 303 645

## Contents TS 103701



Unterstützer, u.a.:



# Product assurance services on base of Consumer IoT ETSI EN 303645 / TS 103701

## Significant uptake: selection of product assurance services



Singapore's national Cybersecurity Labelling Scheme builds on EN 303 645.



Finland's national consumer IoT certification scheme builds on EN 303 645.



ioXt is developing a new assurance profile for EN 303 645.



PSA Certified (backed by Arm) has been mapped to EN 303 645.



The Global Certification Forum offers accreditation to EN 303 645.



TÜV Süd offers testing against EN 303 645, e.g. Chinese Dishwasher Midea in December 2020



TÜV Rheinland offers certification against EN 303 645.



VDE offers testing against EN 303 645.



SESIP by Global Platform has been mapped to EN 303 645 and TS 103 701.



SGS IoT Testing and Conformity Assessment Program fully includes EN 303 645.



DEKRA offers guidance and security evaluation based on TS 103 701 and against EN 303 645



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