

Building an ecosystem for baseline security

Presented by: Sandro Amendola, Director



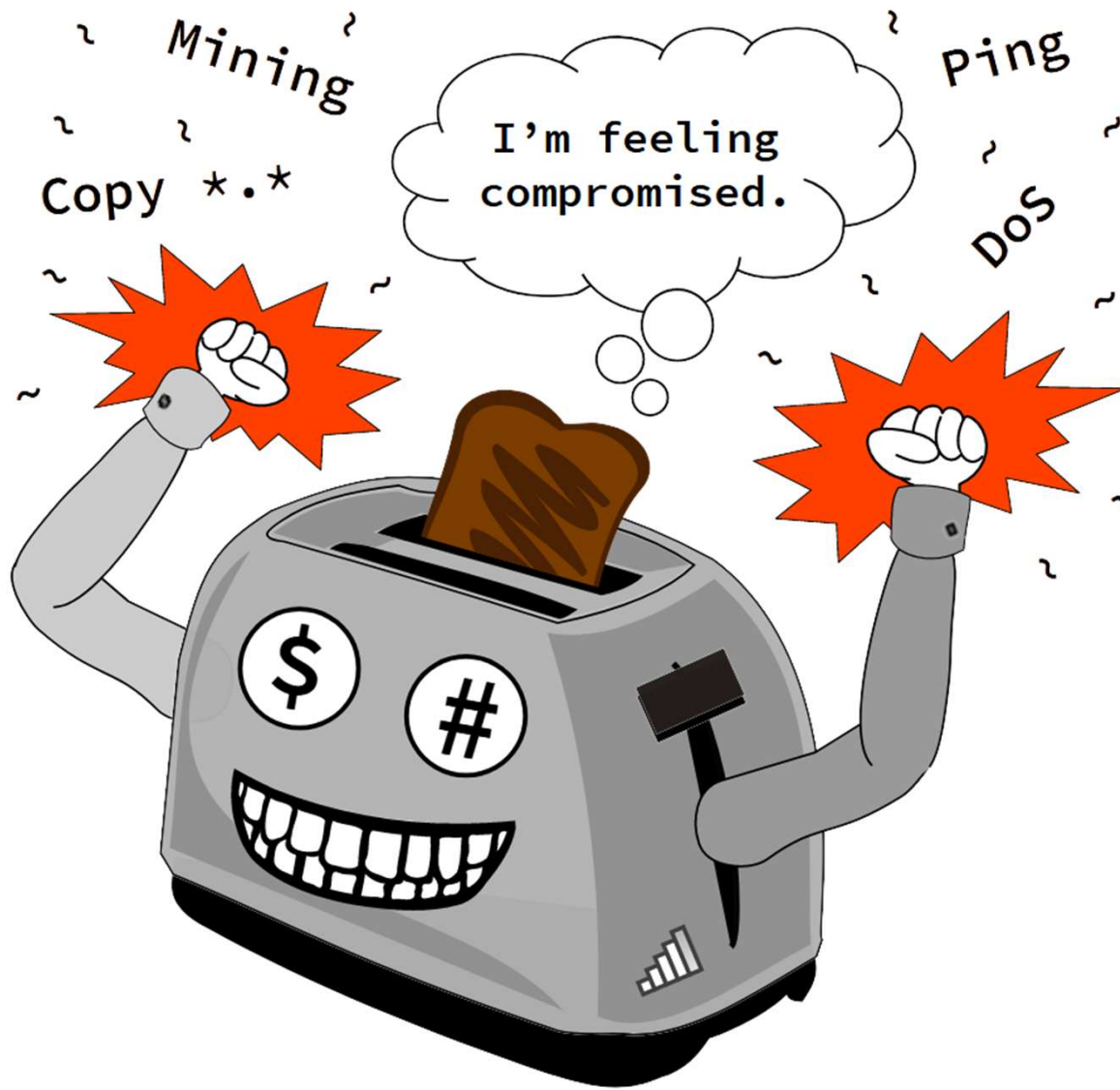


Federal Office
for Information Security

Building an ecosystem for baseline security

ETSI Cyber Security Conference – Session “IoT & Certification”

Sandro Amendola, Director



A Lookback into History of Product Certification



The German ePassport
Issued since 2005

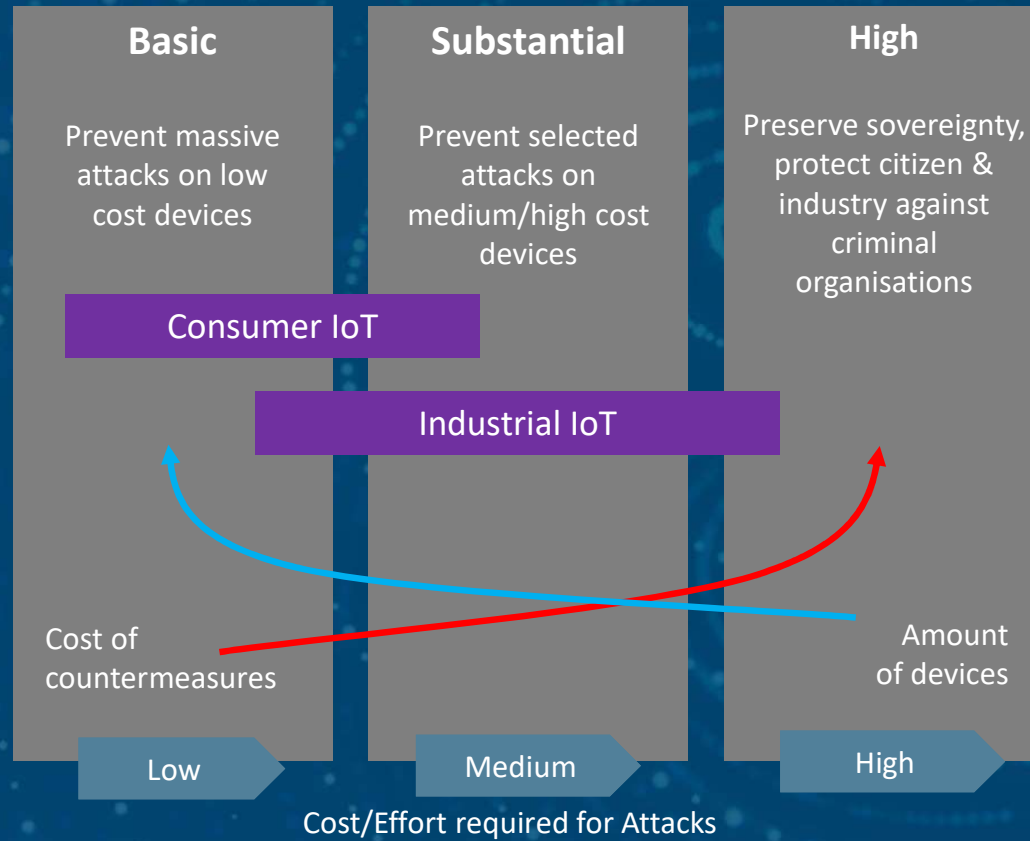


Digital Tachograph
according to EU Directive
Mandatory since 2006

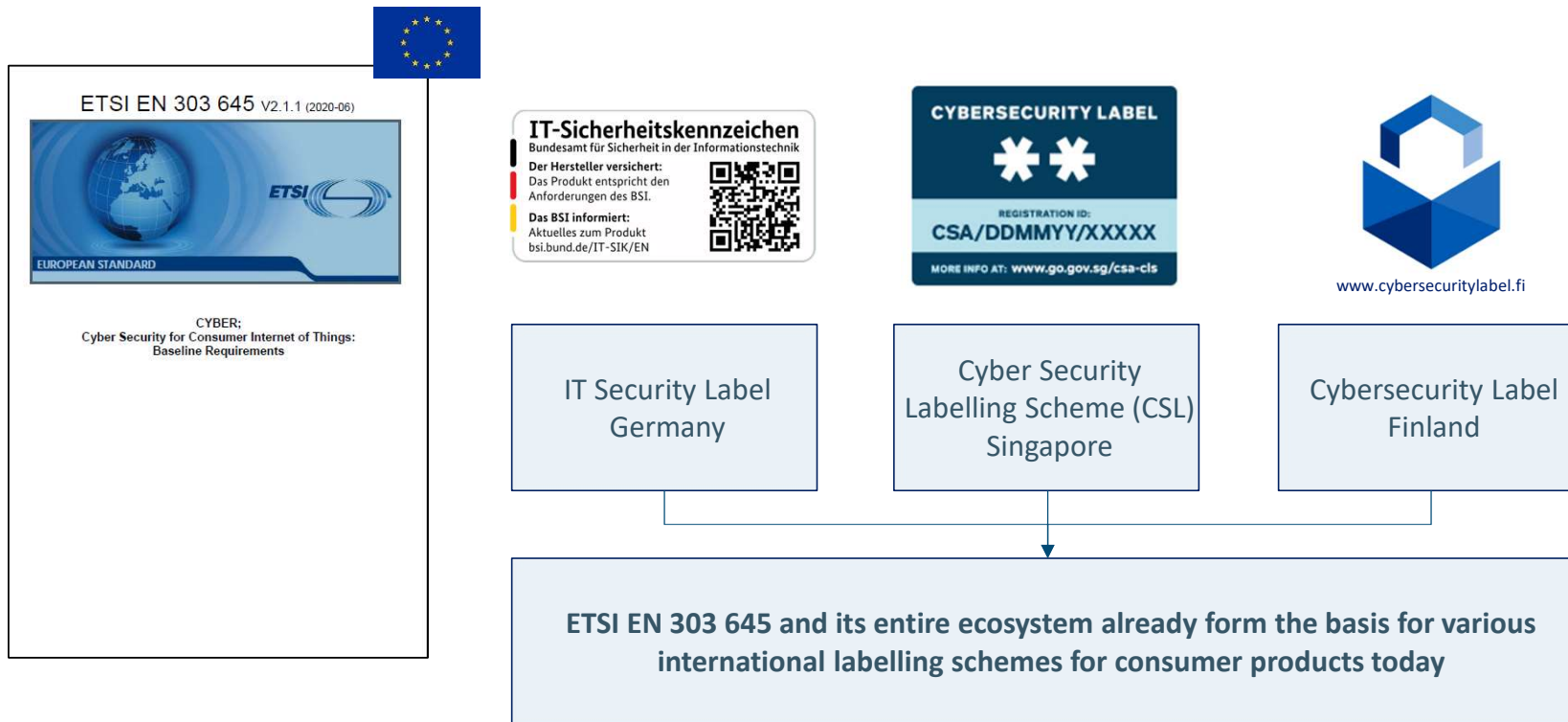


The Smart Meter
Gateway
First Certificate in 2021

Security Level Categorisation



Voluntary, Lightweight and Scalable Labelling Schemes



Standardisation – Engine Room of Cyber Security Regulation

new legislative framework (NLF)



- provides conformity assessment procedures for EU declaration of conformity such as “Internal production control” (Module A)

access to the European single market

delegated regulation on RED 3(3) d,e,f



- allows self declaration of conformity based on Module A only if **harmonised standards** are applied

for internet connected radio equipment and others

COM proposal on cyber resilience act (CRA)



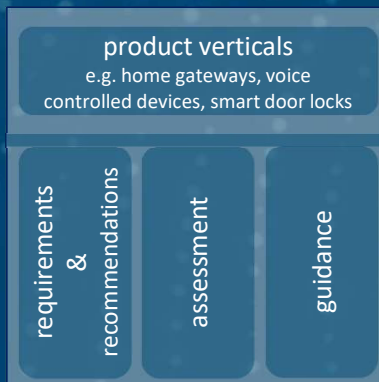
- allows self declaration of conformity based on Module A for criticality class I if **harmonised standards** are applied

for products with digital elements

Standards support manufacturers in providing secure products and thus in preparing to comply with cyber security regulation

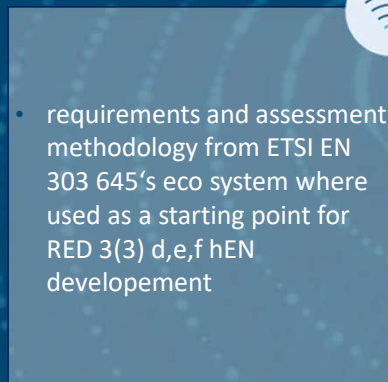
ETSI EN 303 645 – Raw Material for (Harmonised) Standards

ETSI EN 303 645 and its eco system



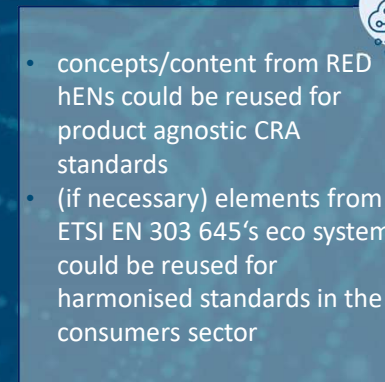
baseline cyber security
for consumer IoT

RED 3(3) d,e,f harmonised Standards



for internet connected
radio equipment and
others

CRA (harmonised) Standards



for products with digital
elements

ETSI EN 303 645 and its eco system is and has been a milestone for consumer IoT security and influences the European cyber security landscape

Recap – Standards as Fuel for a Global Cyber Security Eco System



basis for mutual recognition agreements



basis for certification/labelling schemes



basis for compliance to regulation



basis for trust in infrastructures



basis for open scalable solutions



basis for a adequate cyber security level

ETSI EN 303 645 and other standards support a global cyber security system