



Welcome to the World of Standards

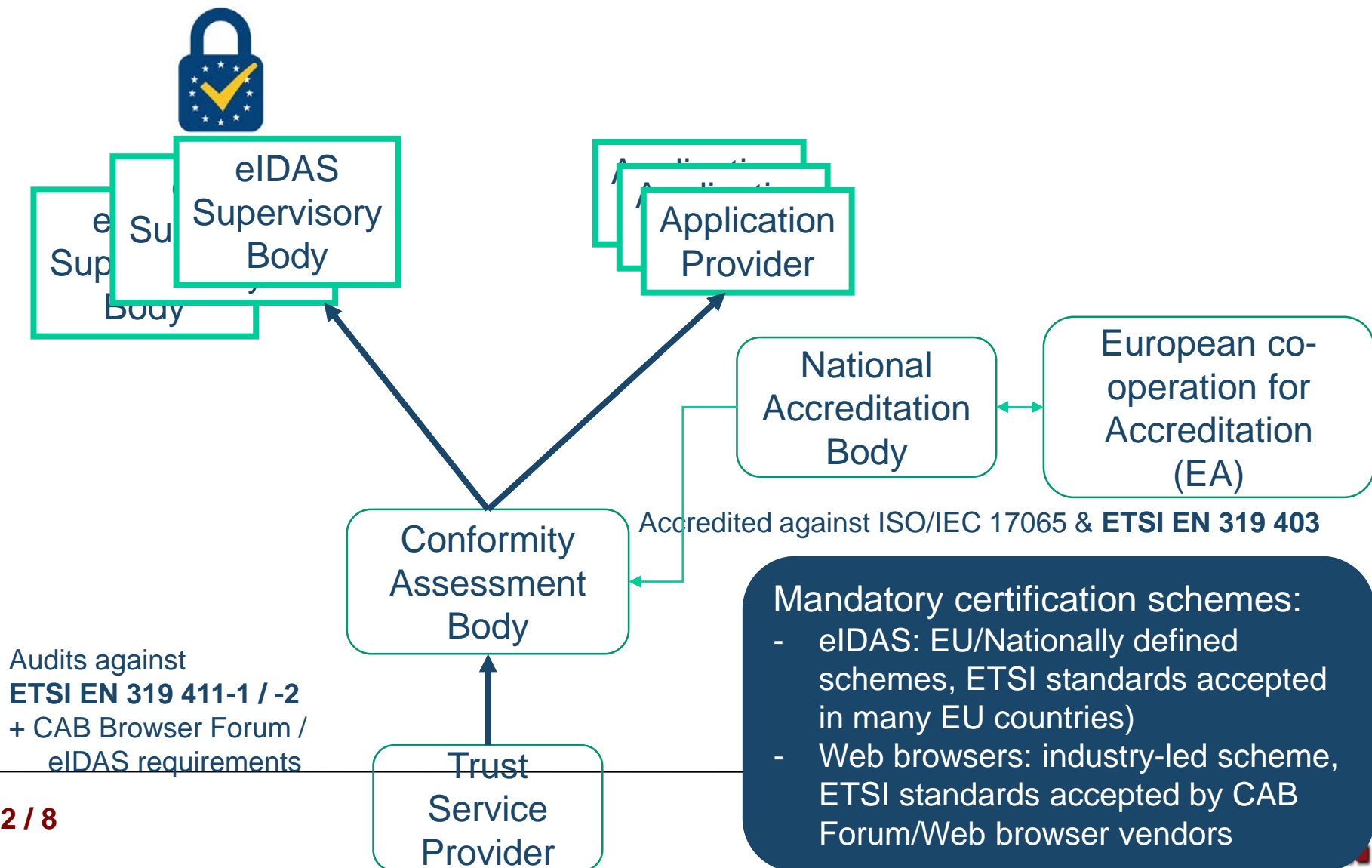


ETSI STANDARDS IN SUPPORT OF CYBERSECURITY CERTIFICATION

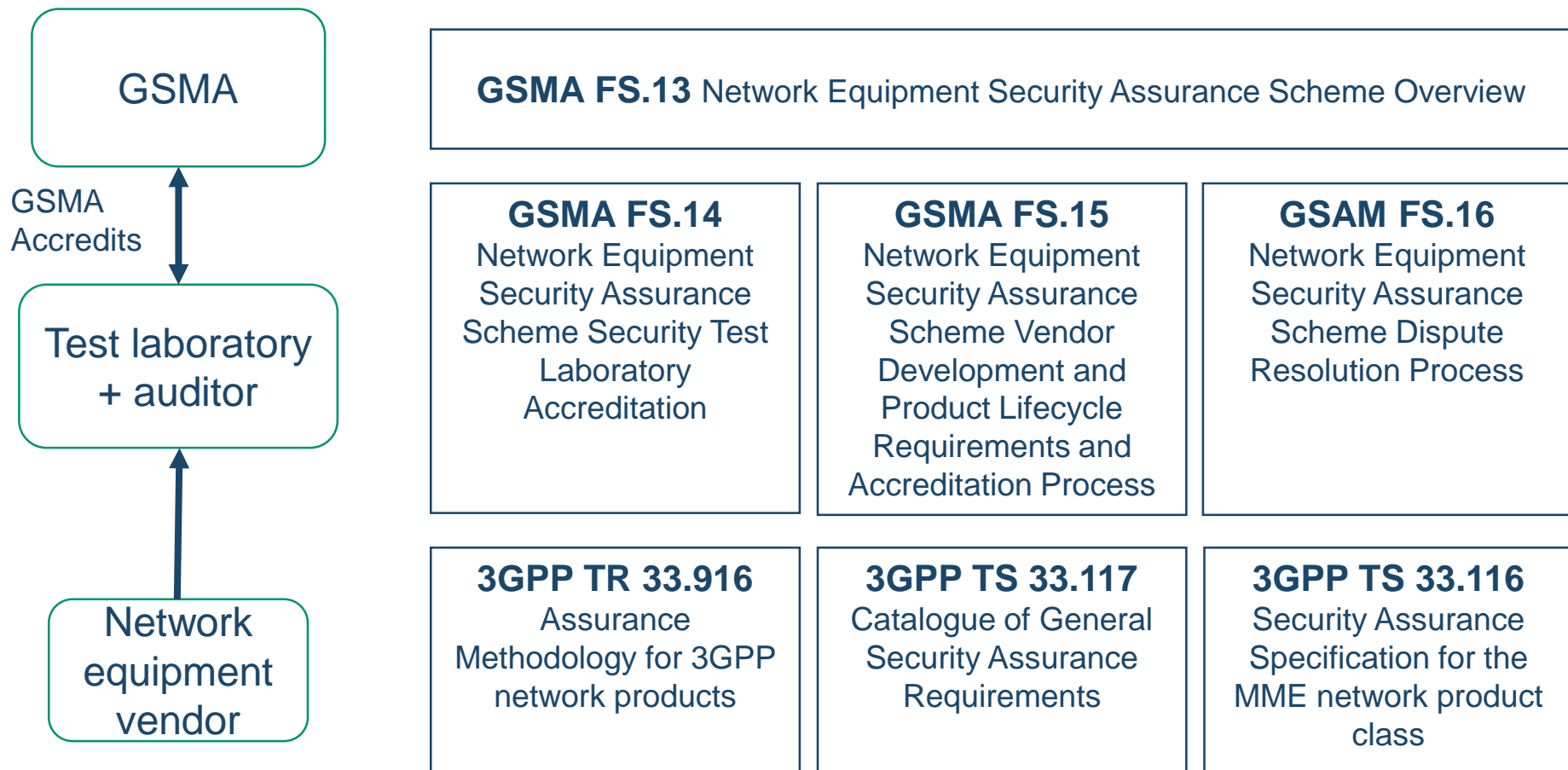
Charles Brookson, TC CYBER chairman

Cybersecurity Act workshop 13 February 2018

Example 1: eIDAS Trust Services & Web browsers



Example 2: Mobile Network Equipment Security Assurance Scheme



Examples 3 & 4: IoT and C-ITS

IoT: oneM2M Certification Program

Based on oneM2M security conformance test specifications

TTA is the Certification Body and Authorized Test Laboratory for the oneM2M Certification.



Voluntary industry-led certification scheme based on global standards

- Cooperative Intelligent Transport Systems (C-ITS) in Europe
 - Certificate Policy and Security policy created by C-ITS Platform made of EC and all relevant stakeholders
 - Auditing Body accredited by a member of the European Accreditation
 - Using **ETSI TS 103 097** and **TS 102 941**

Mandatory certification scheme built with public and private stakeholders, partly based on ETSI standards



Example 5: Critical Security Controls

ETSI TR 103 305-1: Specific set of technical measures available to detect, prevent, respond, and mitigate damage from the most common to the most advanced of cyber attacks

ETSI TR 103 305-2: measurement and auditing tests of Critical Security Control implementations

Voluntary self-assessment scheme



With its mix of members (large or small, public or for-profit sector) drawn from 65 countries, direct participation, open, inclusive and collaborative environment, ETSI provides a solid foundation for all stakeholders to create certification schemes involving all stakeholders, mandatory or voluntary, using 3rd party or self-assessment



Food for thought for future certification schemes

What about standardization work to certify

Specific mass market IoT devices security, e.g.

Locks, Cameras, sensing devices

Consumer devices: Mobile phones/tablets/home gateways security

Trust Services beyond eIDAS ones

Threat information exchange mechanisms in support of NIS Directive

e-Privacy

Critical infrastructure for services – electricity, water, food, fuel supply

Cloud services

Smart cards, SIM, USIM, eSIM etc.

