

Improving the security of consumer smart products: the UK's Secure by Design Programme

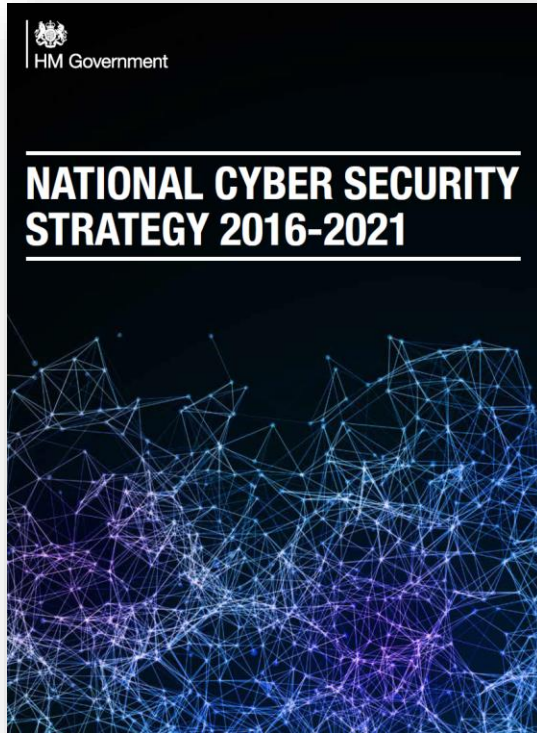
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Department for
Digital, Culture,
Media & Sport

Strategic context



- Strategic Outcome 5: “The UK is more secure as a result of technology products and services having cyber security designed into them and activated by default.”

A growing challenge

- 12.9 billion consumer IoT devices by 2020 (Gartner 2017)
- Many products are poorly secured.
- Three key risks:



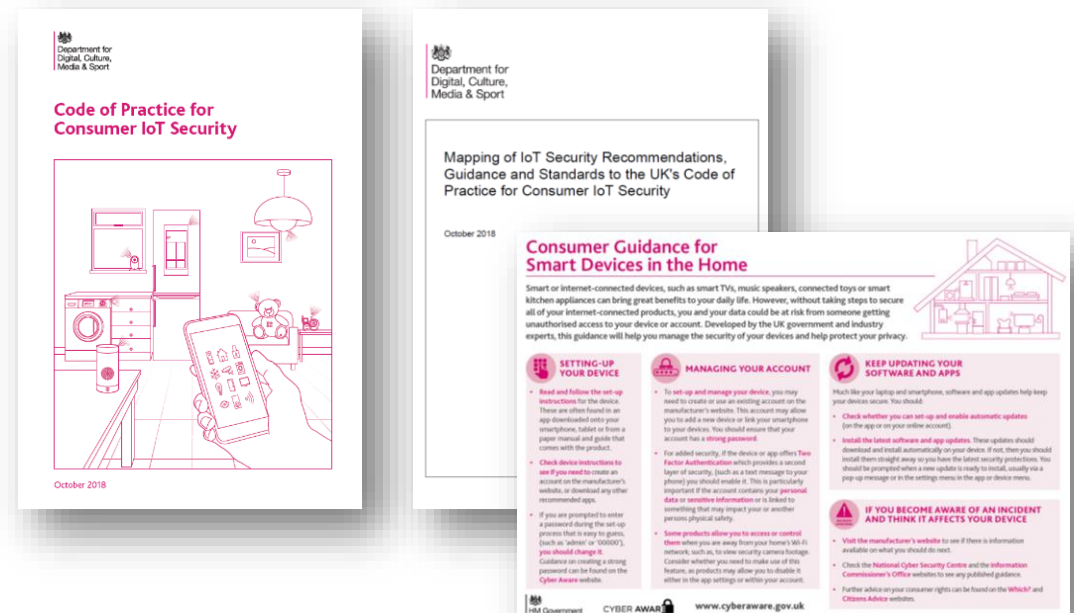
Programme milestones

Policy development – March 2018

- Policy report
- Supporting studies

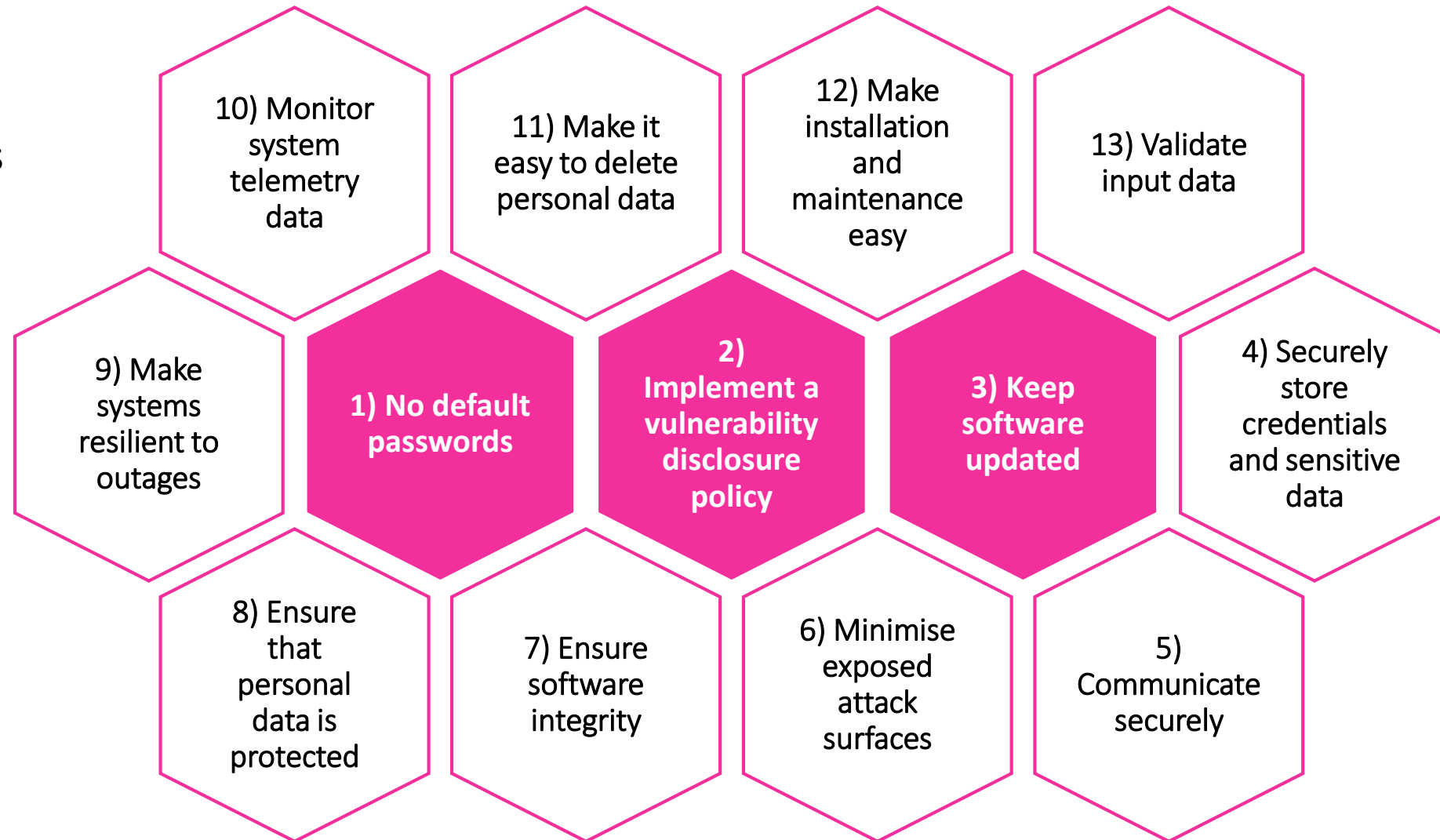
Guidance – October 2018

- Code of Practice for Consumer IoT Security
- Mapping of the Code to existing guidance
- Consumer guidance



Code of Practice for Consumer IoT Security

- Brings together technical and procedural measures that are widely considered good practice.
- Focuses on what matters most. Not a silver bullet to all problems.
- Helps ensure GDPR compliance.



May 2019: Proposals for UK regulation

- To remove products with the poorest security from shelves.
- Retailers to only stock products with a security label, which indicates adherence with the top 3 guidelines of the Code of Practice.

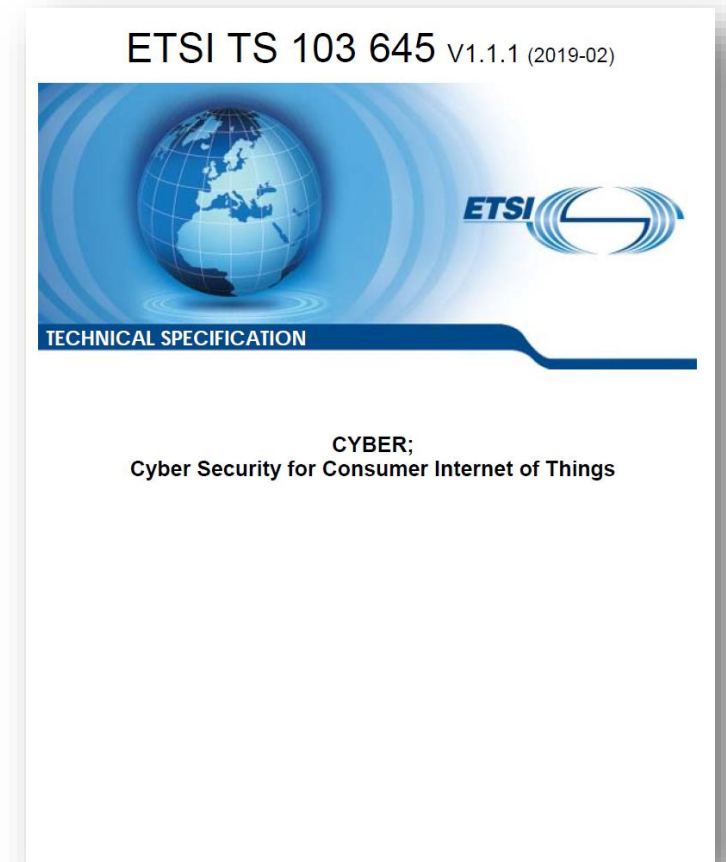


- This would be the first step of a longer, staged approach to regulation.



February 2019: ETSI Technical Specification

- The first globally-applicable industry standard.
- Informed by UK Code of Practice, designed for wider European and global needs.
-  **TECH ACCORD**
“Cybersecurity Tech Accord Signatories Endorse ETSI Technical Specification for IoT Security”
- Ambition to develop into a European Standard (EN) and to inform a Europe-wide certification scheme under the EU Cyber Security Act.



More information

- Secure by Design programme: <https://www.gov.uk/government/collections/secure-by-design>
- **Consultation on regulatory proposals open until 5 June**
- ETSI Technical Specification 103 645: <https://www.etsi.org/newsroom/press-releases/1549-2019-02-etsi-releases-first-globally-applicable-standard-for-consumer-iot-security>