

Securing Consumer IoT

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Secure by Design team

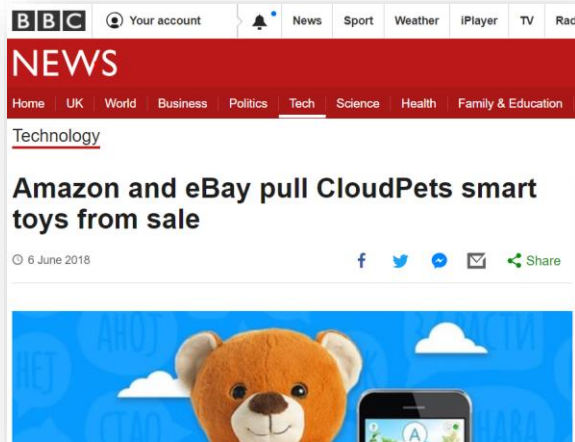
Future Proofing the Internet of Things
Mobile World Congress
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Department for
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Media & Sport

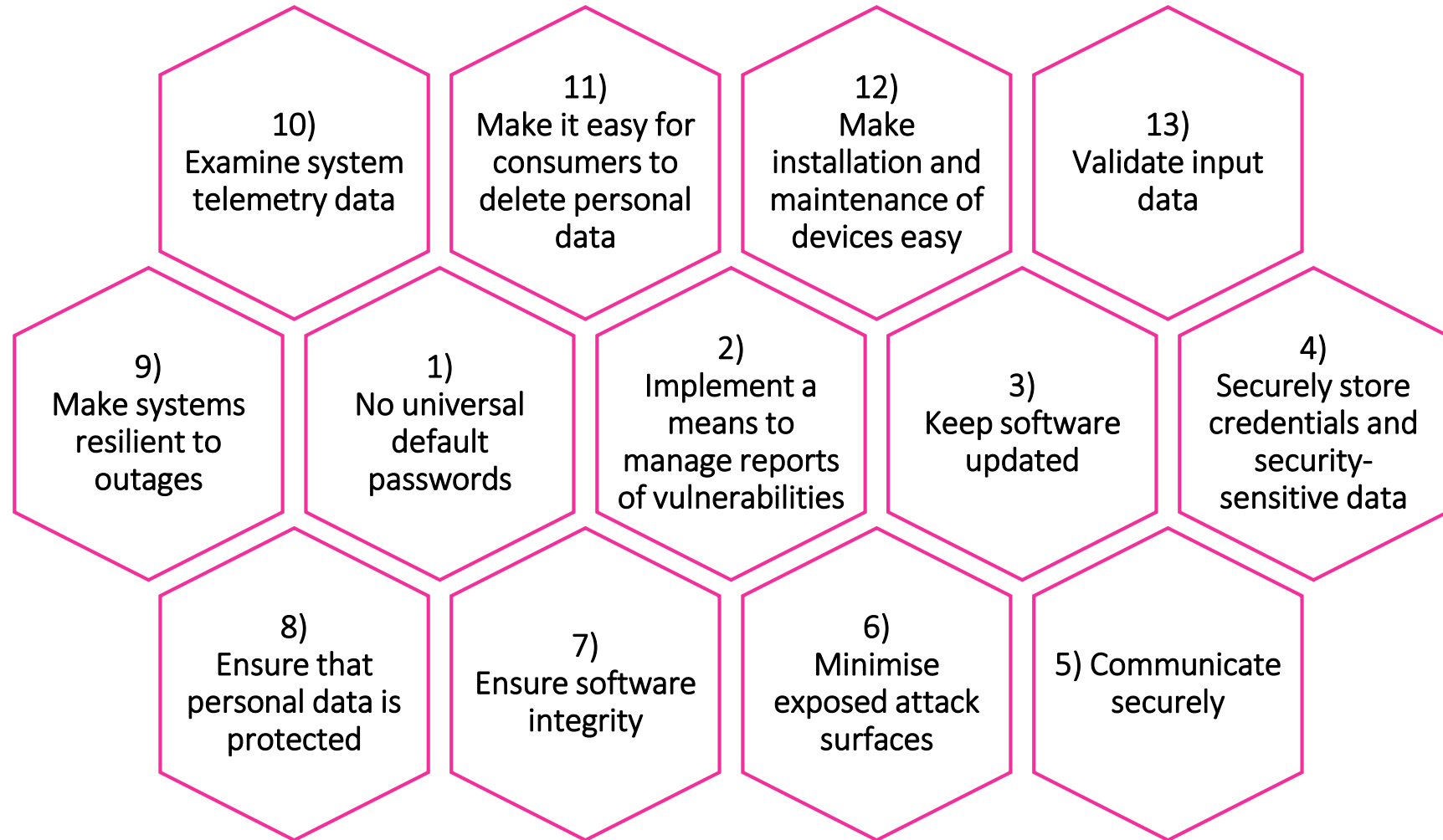
A growing challenge

- 12.9 billion consumer IoT devices by 2020 (Gartner 2017)
- Many products are poorly secured
 - Threat to people's privacy, online security and safety
 - Risk of large-scale DDoS attacks
- Lack of incentives to prioritise security



Just published: Technical Spec 103 645

- The first universally-applicable standard on consumer IoT security
- High-level, focuses on what matters most
- With implementation pro forma
- Informed by widely recognised good practice, including the UK Code of Practice. Designed for European and wider global needs.



Next steps

- UK
 - Key aspects of ETSI TS 103 645 to be enforceable through regulation
 - A staged approach, with an immediate focus on the most basic security measures
 - Spring 2019 milestones:
 - Public consultation on options for regulation
 - Proposal for a labelling scheme
- Europe
 - The EU Cyber Security Act provides for Europe-wide certification schemes.
- Worldwide
 - TS 103 645 standardises basic security practice
 - Support initiatives that give consumers confidence in the security of IoT products