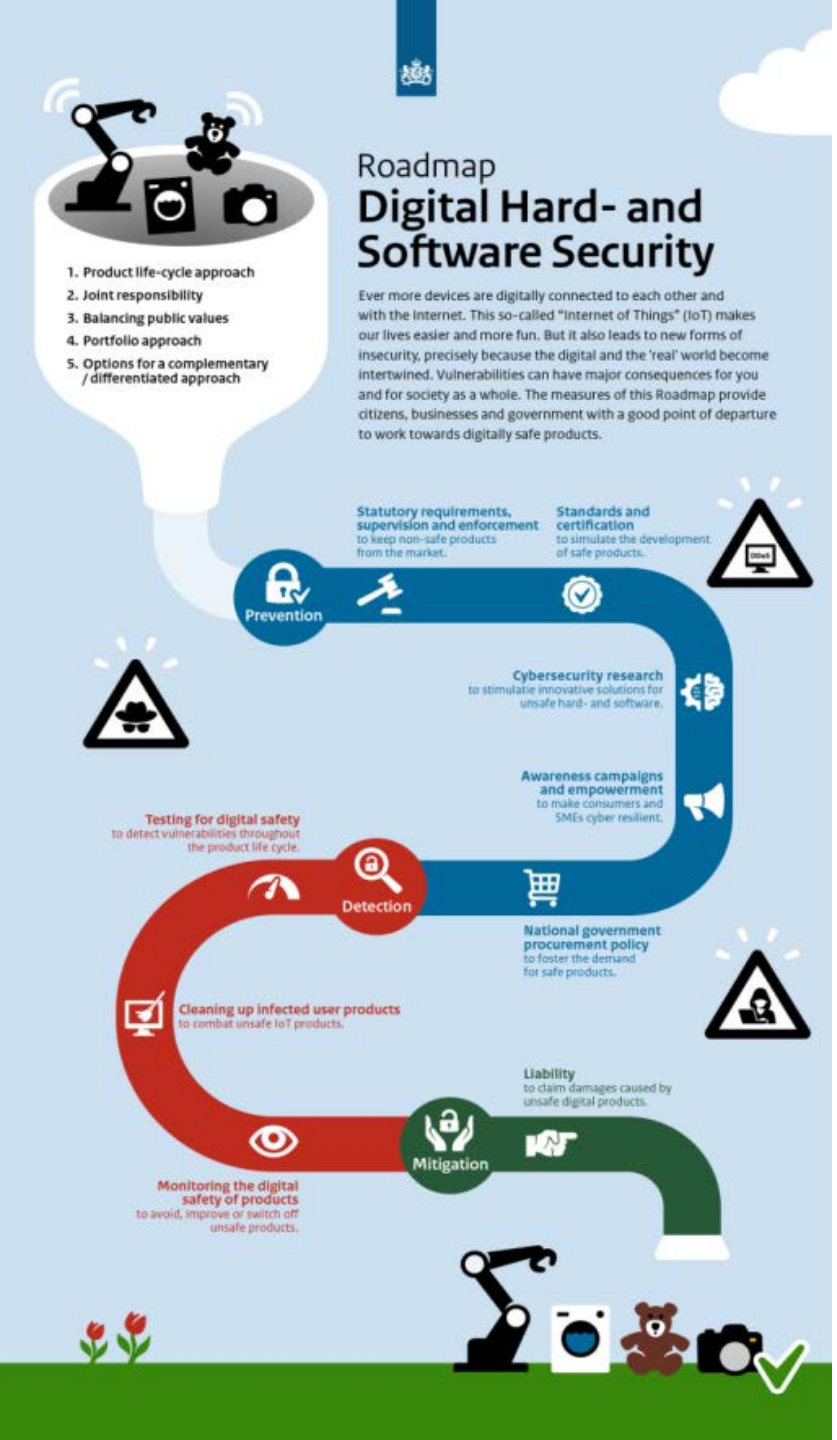
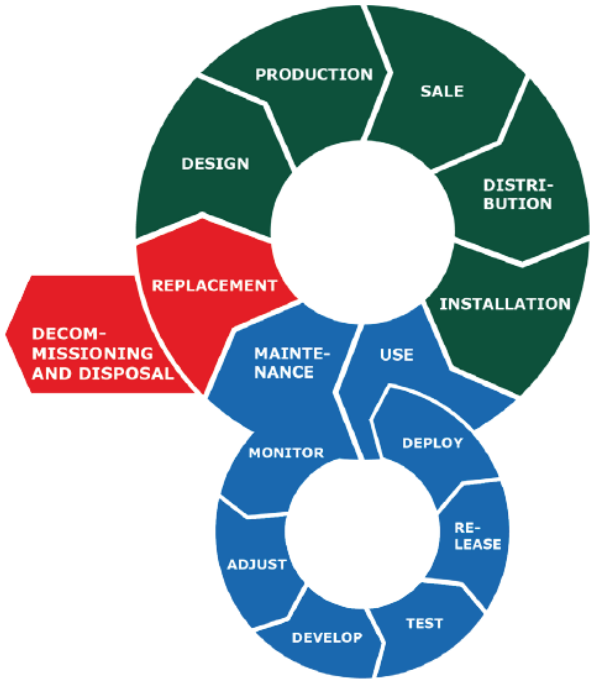
Consumer IoT Security

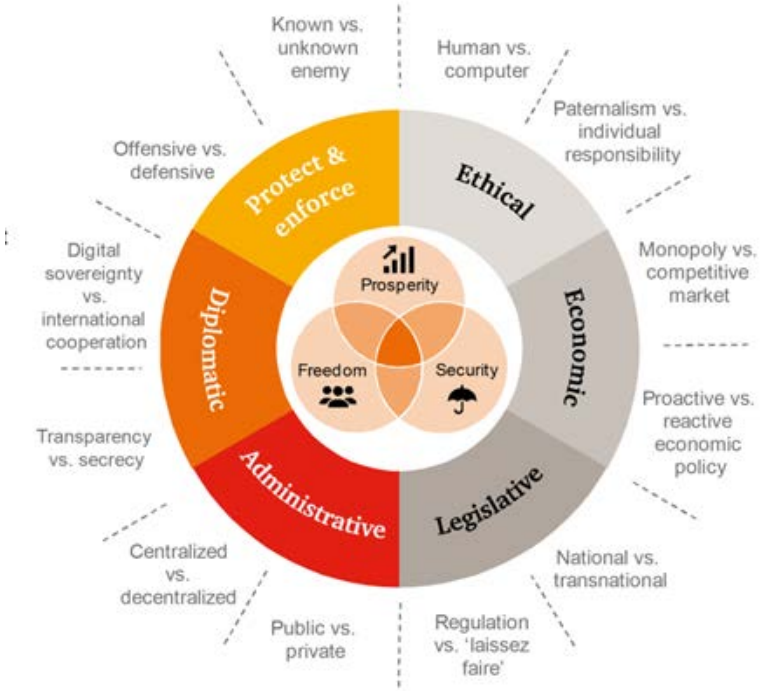
Examples from abroad collected during IGF 2018

Maarten Botterman
(maarten@gnksconsult.com)





Product life cycle approach



Balancing public interest

Joint responsibility

Portfolio approach

Dutch Roadmap Digital Hardware and Software Security:

a complementary approach

Standards and certification

Monitoring digital security

Cleaning up infected products

Testing digital security

Cybersecurity research

Liability

Statutory requirements, supervision and enforcement

Awareness campaigns and empowerment

National goverment procurement policy

Dutch Roadmap Digital Hardware and Software Security:

a complementary approach

* in red circles: covered by the Canadian project

UK Government approach

2017 -2018: Cooperation with industry, academia, consumer associations and international partners

March 2018: Policy report

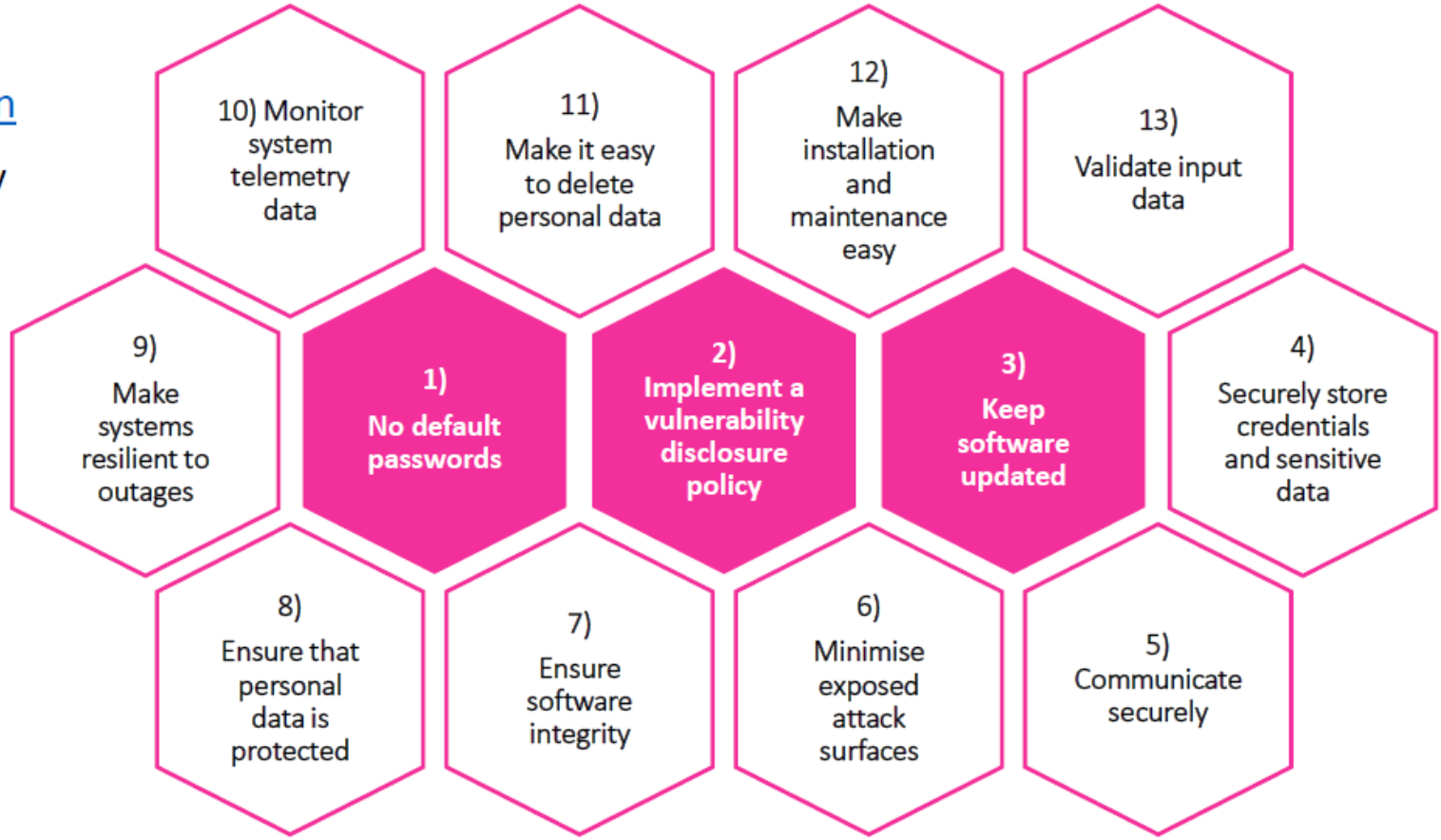
October 2018: Code of Practice for Consumer IoT Security

Mapping of the Code to existing recommendations
https://iotsecuritymapping.uk

Consumer guidance
https://www.gov.uk/government/publications/secure-by-design

Code of Practice for Consumer IoT Security

- Published in October 2018 in 8 languages: gov.uk/government/publications/secure-by-design
- To help manufacturers protect consumers' privacy and online security.
- Brings together what is widely considered good practice in 13 high-level guidelines.
- Focuses on what matters most.
- Mapped against existing standards and recommendations from 50+ organisations: iotsecuritymapping.uk.



Considerations

- What can we learn from the Dutch approach?
  - Adding some of the Dutch complementary measures to the Canadian mix?
    - Liability (stick behind the door);
    - Government procurement (backing up development of standards);
    - Reviewing legislation (statutory requirements supervision and enforcement);
    - Cleaning up infected products (joint LEA – industry action?);
- What can we learn from the British approach?
  - Working towards a Code of Practice for industry?
    - Adopting the British one – or at least use it for discussion with industry on the value for Canada