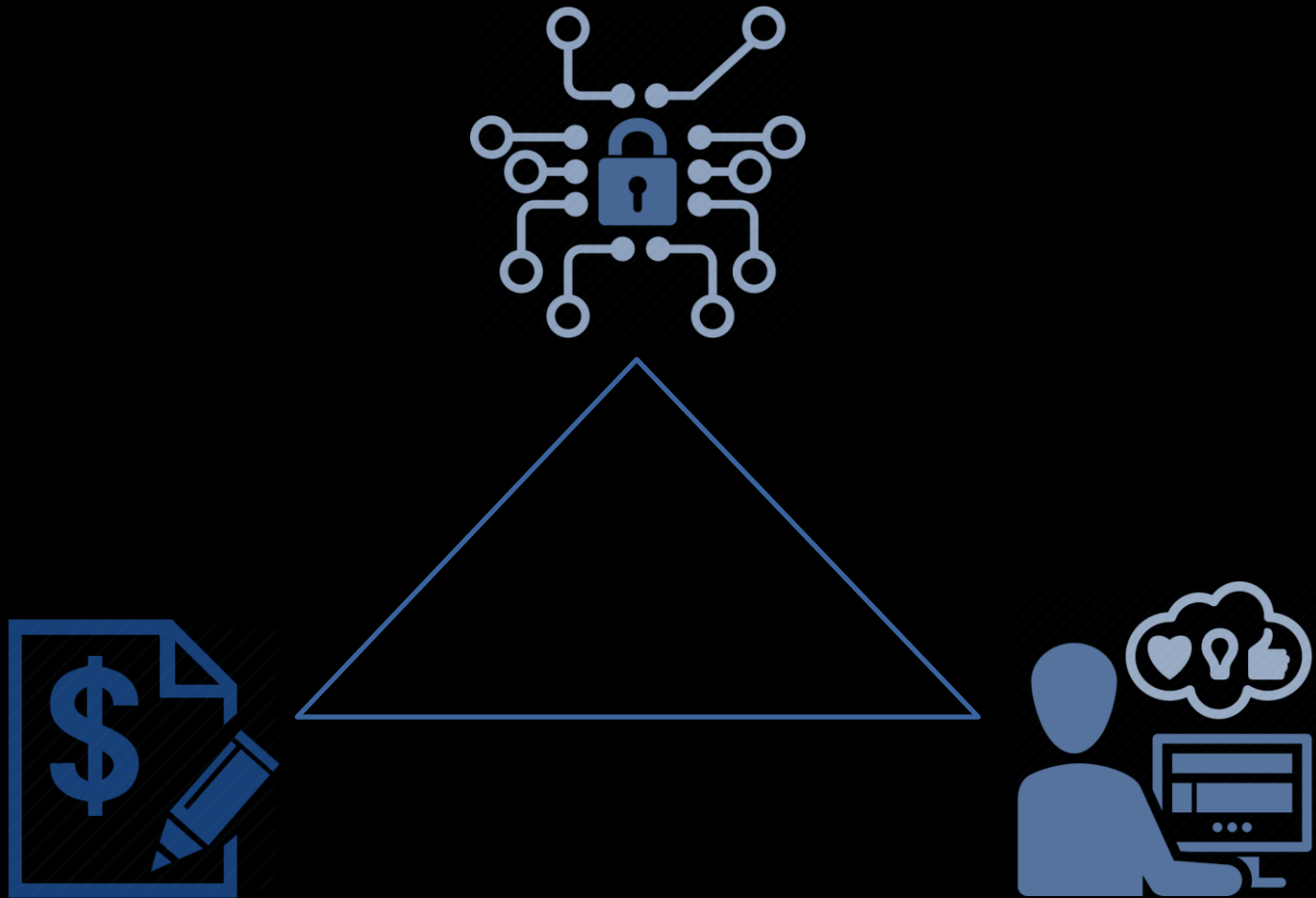
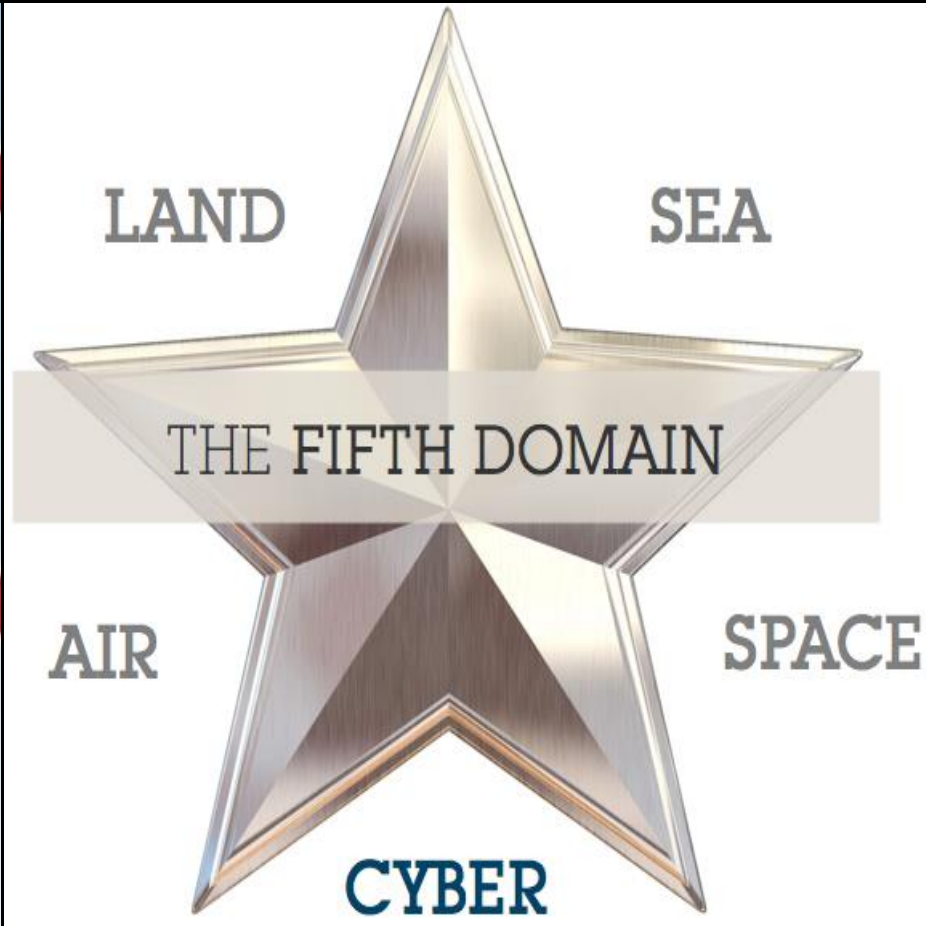


Cybersecurity Challenges in Healthcare

Singapore Healthcare Management 2017

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Security

90

Insulin pump hack delivers fatal dosage over the air

Sugar Blues, James Bond style

By [Dan Goodin](#) 27 Oct 2011 at 06:23

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In a hack fitting of a James Bond movie, a security researcher has devised an attack that hijacks nearby insulin pumps, enabling him to surreptitiously deliver fatal doses to diabetic patients who rely on them.

The attack on wireless insulin pumps made by medical devices giant Medtronic was demonstrated Tuesday at the [Hacker Halted](#) conference in Miami. It was delivered by McAfee's Barnaby Jack, the same researcher who last year showed how to take control of two widely used models of automatic teller machines so he could to cause them to [spit out a steady stream of dollar bills](#).



1. Protection of Critical Information Infrastructure

- Designation of CIIs and their owners (CIIOs)
- Responsibilities of CIIOs in protecting their CIIs

2. Response to cybersecurity threats

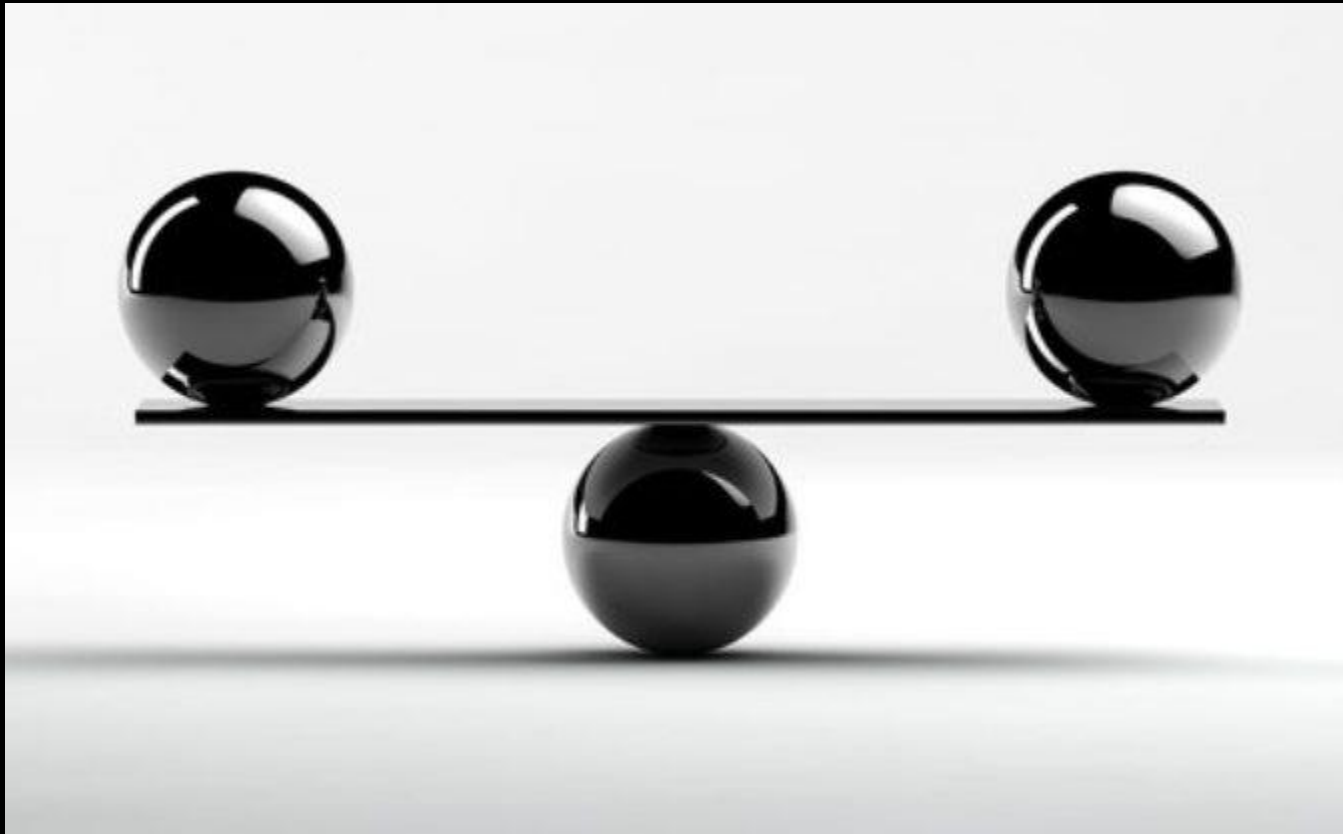
- Empowerment of CSA officers to respond to cybersecurity threats
- Reference taken from section 15A of the CMCA

3. Information sharing

- Request for information
- Protection of info shared with CSA and/or designated agencies, including through voluntary disclosure

4. Cybersecurity industry regulation

- Licensing of the provision of penetration testing and security ops centre (SOC) services





Nothing in life is to be feared, it is only to be understood.

Now is the time to understand more, so that we may fear less.

Marie Curie