RRIS Exam Summer 12-13

Governments, companies and trade bodies play an important role in how information security is actually provided. Use the papers in the course collection to give examples of information security products and procedures provided by these organisations. You should provide examples of good and bad practice.

A government wants to provide rules for the processing of medical records. Based on your experience with the papers in the course collection, provide guidance for the government department involved that lists the issues that must be addressed. Outline a solution to the one issue that you feel is most important.

Answer

First Part [35]

- Walton and Sundt provide a critical analysis of UK security legislation. Some of the legislation is poorly drafted, making it less effective than it could be.
- Karger outlines several weaknesses of the US employee verification scheme. One benefit is that this analysis was conducted in the open and published.
- Murdoch illustrated a flaw with the CHIP and PIN protocol, laying the blame with the secretive nature of the design.
- Anderson exposes flaws in the smart meter system being rolled out in the UK. Both the government and the energy supplier's trade body are at fault her.
- Adams illustrates problems with a pilot project for the NHS patient's record system.

A number of other issues are covered in the course. Students should avoid bringing in other points that are not relevant to the question.

Second Part [35]

- Confidentiality of medical records.
- Quick availability of medical information in an emergency
- Consistent format across all parts of the health service, for when a patient moves.
- Availability of aggregate data for research purposes.
- Usability of security systems.

This is a large area and I do not expect the students to cover every aspect. They may focus on usability or authentication or legislation. I do expect a critical analysis of the options available.