Post by: Aldo Madrid

Thank you for your post Michael, I agree with you on the importance that companies should be given to cybersecurity. Companies have started to implement some cyber security practices in the last years, it could be the reason of why the percentage of businesses victims of cyber-attacks have been reduced in the last years. Nevertheless, in businesses that fell victims to cybercrime the number of attacks was incremented. In this case the explanation could be that now hackers are creating more focused attacks that do more harm to specific organisations (Department for Digital, Culture, Media and Sport, 2019).

An information system should guarantee that information is confidential, it can be controlled by its owner, and it is transparent. When designing a system these measures should be addressed without affecting its functionality (Troncoso, 2019). Maybe it is one of the reasons of why a system could not be completely secure. Privacy by design is a term that has gained popularity and it proposes a set of principles that integrate the privacy of a system with the user concerns, having in account two primary goals: minimizing the thrust and minimizing the risk. Minimizing the thrust refers to diminish the necessity of a system to depend on others to behave as it is expected. Minimizing the risk refers to decrease the probability of an occurring threat.

Even if a system cannot be completely secure, organisations must conduct a risk assessment to analyse the risk level that a cyber threat could cause (Mokhor, Honchar, Onyskova, 2020). This analysis should try to cover the values and assets more important to the organisation and at the same time try to focus on the user expectations.

Department for Digital, Culture, Media and Sport (2019) Cyber Security Breaches Survey 2019. Available from: https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/950063/Cyber_Security_Breaches_Survey_2019_-_Main_Report_-_revised_V2.pdf

Troncoso, C. (2019) Privacy & Online Rights Knowledge Area Issue 1.0. Available from: https://www.cybok.org/media/downloads/Privacy__Online_Rights_issue_1.0_FNULPeI.pdf

Mokhor, V., Honchar, S., Onyskova, A. (2020) Cybersecurity Risk Assessment of Information Systems of Critical Infrastructure Objects. Available from: https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=9467957