

Module 3 - Network Security - Collaborative discussion 1

Unit 3 - "Summary Post"

When discussing what a fully digital enterprise is, it becomes apparent that there are many elements within the umbrella term which designates "fully digital" (Oswald & Kleinemeier, 2017:ix).

However, although there tends to be this umbrella term, the risks for SMEs and large energy businesses still tend to be the same. According to a study carried out by Krovaite & Stankeviciene (2019), risks associated with digitization can be categorized into six areas. These six areas include: Technical risks, Financial risks, Competence risks, Data security risks, Behavioral risks (split into 'Inside' and 'Outside', of the organization).

Therefore, It has become apparent that in order to be aware of the security posture of a business network and IT infrastructure, SMEs and energy businesses require a competent and technical team to fulfill the cyber security requirements to ensure Confidentiality, integrity and availability of business processes and data. It has also become apparent that this is a challenge to achieve due to organizations being unable to fill these vacancies due to demand and supply (Mohamed, 2018).

According to Getir (2023), "another important obstacle for such SMEs is the difficulty to raise awareness among the employees and make them adopt the cyber-aware mindset". This is a very important point and loops back to "Competence risks" as well as "Financial risks". If a business is not financially healthy, it will not be able to attract the talent who are competent enough to enforce good security practices, especially while having to defend the business against threats.

To conclude, it may be helpful if all employees had an overview of the seven stages of a Lockheed Martin cyber kill chain, so they can help reduce risk as part of a GAP Analysis assessment. A Vulnerability analysis can be contracted out until the business is able to build a competent team.

References

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