Cybersecurity Report

Word limit: 2800 words (Max.)

Due: Friday 6 September 11:59 p.m. (AEST)

--Please refer to the Bayview Regional Health Centre Case Study for
this assignment--

You are a Melbourne based Information Systems Security Auditor who has been assigned to Bayview Regional Health Centre to carry out a Cybersecurity status report for the Bass Coast medical practice. Your task is to produce a 2800-word (max.) auditors report (in business report format) identifying and assessing information security risks and proposing a preliminary mitigation strategy. Your report should address the following specified components:

Undertake an information security risk assessment and produce the status report. To do so, you must:

1. Briefly explain your approach to Information Security risk management and information risk assessment to Bayview Regional Health Centre so that they understand the work you are doing, i.e., in an approximately 150-200-word introduction let your clients know what your Cybersecurity status report is and how you will approach the task.

2. Clearly and concisely assess and describe, Bayview Regional Health Centre's strategic environment, their value creating activities and their current risk posture; and prepare a Cybersecurity mission statement (of no more than 250 words, that may also include a supporting diagram) for BRHC that includes an appropriate expression of their high-level target risk appetite and risk tolerance parameters.

3. Identify and table the key roles and responsibilities of individuals and business functions at BRHC describing who is responsible for overseeing specific functions and information assets and assess any associated information risks in terms of responsibilities and gaps in responsibility,

4. Carefully audit the case study to identify and prepare a full inventory (descriptive list) of all information assets, including Bayview Regional Health Centre's most significant, physical &/or logical information resources, the information of most value, and the information systems/process required to work with information at the medical practice. Include your full list as an appendix item.

5. Include an ATV table in your report identify risks (threats and vulnerabilities) for the top 7 operationally critical information assets that you have identified. Provide a supporting explanation for your analysis of the threats and vulnerabilities for Bayview Regional Health Centre's most important information assets (both information and information systems and processes),

6. Present a likelihood and impact analysis for your seven (7) most significant information (assets) that you have identified above, alongside of your tables, consider using diagram and graphical representations such as matrices, and in doing so,

7. Evaluate and prioritise the most significant associated information risks for Bayview Regional Health Centre to manage. Ensure you justify your assessed order of priority in your risk assessment tables and prepare a mitigation plan, incorporating (1) a named mitigation strategy and recommended internal controls for all 7 identified concerns.

When prioritising your 7 information assets at risk, it is expected that you will first table a full inventory of information assets and risks that you have identified as an appendix item, but you are only required to undertake (steps 5, 6 and 7) ATV statement, a likelihood and impact analysis, prioritisation, and mitigation strategy for your chosen top 7.

Following the completion of your Cybersecurity status report, Bayview Regional Health Centre will evaluate the next steps for your consultancy at the Centre. The information asset risk assessment process needs to be conducted in accordance with best practice and should apply (one, or a hybrid combination of) the leading standards, guidelines or frameworks pertaining to information risk and security management. Your report must articulate clearly which standards/guidelines it has followed and how they have been used.

You are to prepare your Cybersecurity status report for Bayview Regional Health Centre's Managing Directors and your report should be written as a formal business report that is suitable for your audience. Guidelines for business report writing can be found at the Faculty of Business and Law, Swinburne subject guide:
https://www.swinburne.edu.au/current-students/study-support/resources- materials/assignment-writing-guides/

In addition to your use of standards and guidelines for the risk assessment report, you should research and consult secondary sources in your work and in presenting your report follow standard academic referencing procedures for Swinburne University's recommended APA referencing Style:
http://www.swinburne.edu.au/lib/studyhelp/referencing.htm

The following should be included with your report.

- An Executive summary (for a good description of a what comprises a good ES see, https://unilearning.uow.edu.au/report/4bi.html),
- Relevant appendices for the report (should be used as you deem appropriate and will not be counted in word limit),
- A report reference list that applies the APA style guide (in text citation is an expectation for this report),
- All reports must be presented in standard 12-point font. Your report will be submitted online in CANVAS.

Please note for planning report structure and word limit: The assessment criteria for this report focuses on your analysis and explanation of the Information risk assessment work you undertake. While all appendices, tables and diagrams used in the report will contribute to your assessment, they do not count towards the word limit for the assignment. Your executive summary and reference list will also not count towards the word limit.

However, all diagrams and tables in the report or in the appendix added to the report must be relevant, significant, and well supported (through written description) to count favourably towards your assessment. Where devices like the Executive Summary, Appendices; diagrams or tables that have been used simply to extend the allowable length of the assignment, they will not be assessed.