INF30020 Information Systems Risk & Security
Semester S2, 2022

Risk & Security Management Report B (Group)

(20% of marks, *plus 5% group warm up exercise***)**

Due: 11:59 p.m. (AEST) 21 October 2022

Please refer to the Assignment Case Study for Assignment 2 (Group)

eTricity has accepted your initial risk assessment report favourably. It was tabled with the Executive and after much deliberation the current leadership team have been given a reasonable budget to improve eTricity's information risk management and security posture.

You have secured the contract for the next stage of this work. Your team is to carry out the work by completing the following by the project deadline: A business continuity management report for eTricity incorporating,

1. A statement of the scope and purpose of business continuity management at eTricity, this should include
   i. An overarching description of the strategic importance of BCM at eTricity
   ii. Recommendations on an improved approach to information governance and the importance of this for business continuity management.
   iii. The importance of risk mitigation for information security at eTricity (leading to assignment item 2)
2. A risk mitigation plan for the **top five (5) prioritised risks to information assets** at eTricity encompassing
   i. a mitigation strategy (categorised approached and explanation of the importance of your chosen assets at risk,)
   ii. an internal control (categorise by applying PDC labels and a description of the controls)
3. A preliminary business impact assessment for eTricity with
   i. an explanation of the importance of your chosen five priorities, you should demonstrate diversity in the range of your selection
   ii. a detailed business impact analysis (BIA) for your **top 5 prioritised risk areas** (aligned to critical information assets)
   iii. at least **2 well-constructed major disruption scenarios for your BIA,** including recovery objectives and parameters. One of your disruption scenarios should be based on the **class ransomware scenario** used in the group warm up exercise. You are required to develop at least one other disruption scenario.
4. An IRP. Using the format provided in Whitman Chapter 10 (pages 517 – 538) as your guide/starting point
   i. develop a detailed Incident Response Plan with handling checklist(s) for both disruption scenarios
   ii. include a strategy for communications management in the event of a disruption incident

Your task is to produce a business report **(2000 -2250 words max.)** addressing the above requirements. *For approach see over page:*

Approach:

- Discuss your *individual assignment work* with your team members and come to a consensus about **which 5 information risks** you would like to use in for your BCM, risk mitigation and business continuity management exercise. The risks decided on and the risks selection process your team undertook can be reported in your appendix.
- Use a standards-based approach for risk mitigation, information security and business continuity management.
- Work with any one of the information security and business continuity management frameworks presented for Business Impact Assessment and support this with Whitman's coverage of Incident Response Planning.
- Build your report up in a methodical way to demonstrate your understanding of information risk and security management.
- While each team has 4 main areas to cover (and usually 4 team members) it is strongly recommended that you choose approaches to group work that ensure people do not work in isolation or solely on only one part of this assignment. At a minimum pairing/partnering across sections is recommended. Quality control over all areas is a team responsibility and must be documented.

Your report must articulate clearly which standards/guidelines it has followed and how they have been used.

You are to prepare your risk management report for the company's senior executive and your report should be written as 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, you should research and consult secondary sources in your work and in presenting your report follow standard academic referencing procedures for the Harvard Style: http://www.swinburne.edu.au/lib/studyhelp/referencing.htm

The following should be included with your report (only 1 submission per team):

- Relevant appendices for the report (should be used as you deem appropriate),
- A report reference list that applies the Harvard style guide (and *in-text citation*) is an expectation for this report,
- A record of tasks allocated to each group member for the assignment and a brief record (*table*) of the meetings held with major decisions reached by the group.

Please note: *While all appendices, tables and diagrams used in the report will contribute to your assessment, they <u>do not be count</u> towards the word limit for the assignment. The Executive Summary does not contribute to your word limit. However, all diagrams and tables in the report and any appendix added to the report <u>must</u> be relevant, significant, and well supported (through written description) to count favourably towards your assessment.* **Appendices, diagrams, or tables that have been used simply to extend the allowable length of the assignment <u>will not be assessed</u>.**