

Seminar: Organisational and risk analysis

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1 Introduction

The focus of this seminar is to discuss the importance of having a classification model that is adapted to the organisation, and to practically perform a simple organisation and risk analysis. The seminar will be based upon the classification model that you are developing for the seminar.

2 Aim

The aim of this assignment is to:

- develop an understanding of and gain practical experiences to design a classification model.
- implement an organisational analysis as well as a risk analysis.

3 Reading instructions

Before this assignment you should have read

- *Analysera* [1], and
- *Utforma* [1]

in MSB:s methodological support.

4 Developing the classification model

This assignment have been divided into two parts. The first part covers developing your own classification model. Then in the second part you will use this model to classify some informational assets.

4.1 Develop a classification model

Develop a simple classification model that is adapted after the organisation you have been given.

- University (government),
- Municipality, or

- Travel agency (privat business).

Hint:

- Start by identifying a couple of internal and external requirements. Internal requirements can be visions, policies etc. External requirements can be some legal requirements that the organisation needs to follow. To identify these requirements, you can use internet, contact organisations, discuss with your classmates, or make up your own. It is however important that you can motivate your requirements you come up with. You also have the lecture slides and the methodological support to your help.

4.2 Using the classification model

With the help of your newly developed classification model, classify the following five informational assets:

1. Salary lists,
2. decision basis regarding the organisation that has been sent using SMS.
3. working material for next years budget.
4. Logs from the access control system.
5. "customer records"; course participants for the university, class list on a public school, traveler records for the latest Mexico trip for the travel agency.

Hint: When you present this part of the assignment, it is recommended that you write it according to:

Area	Classification
Salary list	Cx Ay Iz
Decision basis	Cx' Ay' Iz'
...	

Where x , y and z are the chosen levels for confidentiality, availability and integrity.

You should motivate how you reasoned when classifying each informational assets.

4.3 Reflection

Reflect about your classification model. What problems did you have? Which parts did you think was fairly straightforward. What are some problems with your model? What are the strenght? Compare your model to the generic MSB classification model.

4.4 Examination

Sections 4.1, 4.2 and 4.3 should be written down as a memo and submitted into the course platform in PDF-format.

Your memo must be written in academic swedish or english, and contain proper references.

Since you might later in 5.1 have to present your model to the class, you should also create a presentation that includes your classification model. This must be submitted at latest the day before the seminar S3. Your presentation should be around 5 minutes.

5 Discussion Seminar

The seminar is planned to take around 4 hours and is divided into three parts; discussions about your classification models, using classification models and performing risk analysis on some information assets that we will identify during the seminar.

5.1 Discussing the classification models.

For each of the three organisations, we will discuss 1 - 3 different classification models, that is, up to 9 students might present their classification model.

5.2 Using the classification model

Before we can use the classification model, you will in groups identify some information assets based on a process mapping that we will do together.

You will then in the same groups classify these informational assets using a common classification model (it will be one models that were presented in 4.2).

Selected groups will then present their findings.

5.3 Risk analysis

In the same groups that you were working in during 5.2, you will perform a risk analysis on five informational assets. You will in your groups decide which five assets that should be subjected to the risk analysis.

For each informational asset, your group must reach to at least five threats, along with a suggestion on how to protect this asset towards this threat.

Each group will then select two of these threats and present these for the rest of the class.

5.4 Examination

In order to pass this part of the assignment, you need to actively participate in the seminar. This includes that you have at latest the day before the seminar sent in your presentation slides.

Referenser

- [1] Andreas Rappe, Carl Örne, Eva Hyenstrand, Fredrik Blix, Helena Andersson, Holmström Ingrid, Jan-Olof Andersson, Kristina Starkerud, Lars Grundström, Per Oscarson, Robert Lundberg, Rose-Mharie Åhlfeldt, Tina Andersson, Elina Lyckeberg och Daniela Bergsten. *Metodstöd för systematiskt informationssäkerhetsarbete*. Febr. 2018. URL: <http://www.informationssakerhet.se>.