Deliverable: Analysis of Individual Criteria

IT Infrastructure Maturity

by

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Submitted for Assessment in

UC1ST1103 – Studio 1

at

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Contents

1   Introduction

Subject: UC1ST1103 - Studio 1

1.1   Document Information

Studio1 project deliverable:	Analysis of individual criteria
Topic/Subject of analysis:	Critical Infrastructure Maturity
Word count:	N/A
Estimated read time:	HH:MM
Pages:	9

1.2   Course Lecturers

Course leader:	Prof. Mariya Chirchenkova Prof
Course lecturer:	Prof. Rayne Reid

1.3   Subject Matter

This paper is an analysis of Norways Cyber Security posture. We will delve into; What is Cyber Security? How Cyber Security affects a nations, any nation and its citizens? Examine the challenges of most imminent import. And assess what lies further in the foreseable future? From the perpective Norways national Cyber Securities interest?

The latter part of the paper is a comparrable analysis of Norways National Cyber Security Strategy with its peers within the European Union. The basis of comparrison will focus on a selection of strategic imperatives as outlined by ENISA [1], in their "NCSS"[2] Good Practice Guideline.

One focus area is on the analysis involving "Critical Information Infrastruture"; the underlying systems which provides services that everyone relies on, on a daily basis. Heed the previous statement as indication to how broad and vast the topic is. Therefore the necessetity to constraint on 2 specific area or industries.

Cyber Security concerning:

- The financial industry

- The telecommunication industry

The countries subject to analysis and comparison are:

- Norway

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[1] European Union Agency for Cybersecurity
[2] National Cyber Security Strategy

- Sweden

- Denmark

- Finland

- Iceland

- United Kingdom

- Russia

- France

- The Netherlands

- Bulgaria

The countries are selected on the basis of:

- Geographical vicinity

- Similarities and/or contrastring traits in:
    - IT infrastructure maturity
    - IT services utilization
    - Culture
    - Geopolitical profile
    - (Assumed) Cyber Security posture
    - Compliance level (according to ENISA's NCSS Good Practice)

1.4   Exclusions

The exact definition of what entails "Critical Information Infrastruture" is a fundamental necessetity to have established. It is therefore throughly outlined in the guidelines and directves used as source materials this analysis is based on.

This paper follows the source materials' definitons of "cyber security", financial industry and telecommunication industry. Other industries and security concerns may be mentioned, but not be the focus of the analysis.

Other countries, than the 10 listed above, maybe mentioned or referenced, but are otherwise not the focus of the analysis and comparison.

1.5   Circle of trust

Security, either physical or on the internat, is ultimately about establishing, balancing and managing a "Circle of trust".

There is no 1 solution that can be implemented and enfoced to 100% secure any physical or digital entity.

There will always be a trade-off in terms of accepted risk, exposure, convenience and accessibility. And limitations to address in terms of human skill, time, IT resources and funding. Just to name a few.

THIS IS AN EMPTY SECTION TEMPLATE

Blue text:	Help text. Short description of how to use an environment or a section in the template.
«*text placeholder*»:	Text between angle brackets are placeholders. Indicates a string to be replaced with input text.
Normal text/black fonts:	Real note/example text, how the section is intended to be used.

2   Lesson «*number*»: «*Lesson topic*»

Replace the double angle brackets with the lesson number and name.

Original URL: «*link to the original blog post on the Moodle blog*»

Replace the double angle brackets with the URL to the reflective journal blog.

2.1   Reflection on the days lecture and tutorial

Add critical reflective thoughts about your learning experiences. Delete this text

Lesson/Topic Objectives Study Plan:

- Identify the basic components of a relational model

- Understand ERD

- Understand data models

- Understand data modeling, its objectives of storing and managing, real word data. Data modeling entails organizing, structuring and utilizing stored data for optimized storage, accessibility, searchability and security.

2.2   Reflection Topics

When there are guided topics add them as sub-headings and include your critical discussion of the topic(s)

«*Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like "Huardest gefburn"? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.* »

«*Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like "Huardest gefburn"? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.* »

2.2.1 Provided topic 1

topic 1 example reflective discussion

«*Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like "Huardest gefburn"? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.* »

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2.2.2 Provided topic 2

topic 2 example reflective discussion

2.3 Key Take-Away

Lesson date: «*yyyy mm dd*»
Date taken: «*yyyy mm dd*»
Revisited: «*comment or yyyy mm dd*»

This subsection outlines key information from the day's lesson in bullet points.

1. «*Main Item 1*
   (a) *sub item 1 1*
   (b) *sub item 1 2*
   (c) *sub item 1 3*
   (d) *sub item 1 4*
   (e) *sub item 1 5*
   (f) *sub item 1 6*
2. *Main Item 2*
   (a) *sub item 2 1*
   (b) *sub item 2 2*
   (c) *sub item 2 3*
   (d) *sub item 2 4*
3. *Main Item 3*
4. *..*
5. *.* »

2.4   Lessons Learned

This subsection summarizes the day's lesson topic.

Bold heading

«Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like "Huardest gefburn"? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language. Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like "Huardest gefburn"? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language. »

Glossary:

Expand and elaborate on new words, expressions and topic terminology with a glossary list.

Key Word/Expression	Elaboration/Comment
«*Input*»	«*Input*»

2.5   Action Points - Further Reading/Enquiry

To-do list relevant to complete/expand on the lesson topic.

Act Pnt	To-do description	Assigned to	Target date	Comment/Status
1	«*Task name/description*»	«*Task owner*»	«*Deadline yyyy-mmm-dd*»	«*Comments or status*»
2	«*Task name/description*»	«*Task owner*»	«*Deadline yyyy-mmm-dd*»	«*Comments or status*»

2.6   Other source materials

External course related material. Insert book title, ISBN, URL etc.

Item num.	Resource Type	Source description, Book title, URL, etc.
1	«*Input*»	«*Input*»

2.7   Issues/Solutions Noted and Area of Improvements

Issues noted; what has failed with regards to tools, the lecture itself, missing course material, wrong information or solution in the course assignment etc. Any area of improvement with regards to how previous task has been managed, how to more efficiently proceed with the course personally. Suggestions for improvement suggestions to course leader.

Item num.	Issue description / Area of Improvement	Comments / Solution
1	«*input*»	«*input*»

Item num.	Issue description / Area of Improvement	Comments / Solution

3 Conclusion

Conclusion

This is the conclusion page with a code listing.

Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like "Huardest gefburn"? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language. Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like "Huardest gefburn"? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

A Appendix

This is the appendix

B   Bibliography