
6. Case Study: Regulatory Body of Fantasia

Introduction of the Case Study
8.11.2023 @ Manila, Philippines

Republic Of Fantasia

The Republic of Fantasia is a country in Asia and the nation has 15 million inhabitants. The area of Fantasia is around 160,000 km² making it a fairly densely populated country.

The coastal country's population is slowly ageing. Fantasia has a modern welfare system with a good public healthcare system in place.

Fantasia's economy is in a competitive state as it's agriculture, IT- and various consumer goods industries are described as innovative and developed.

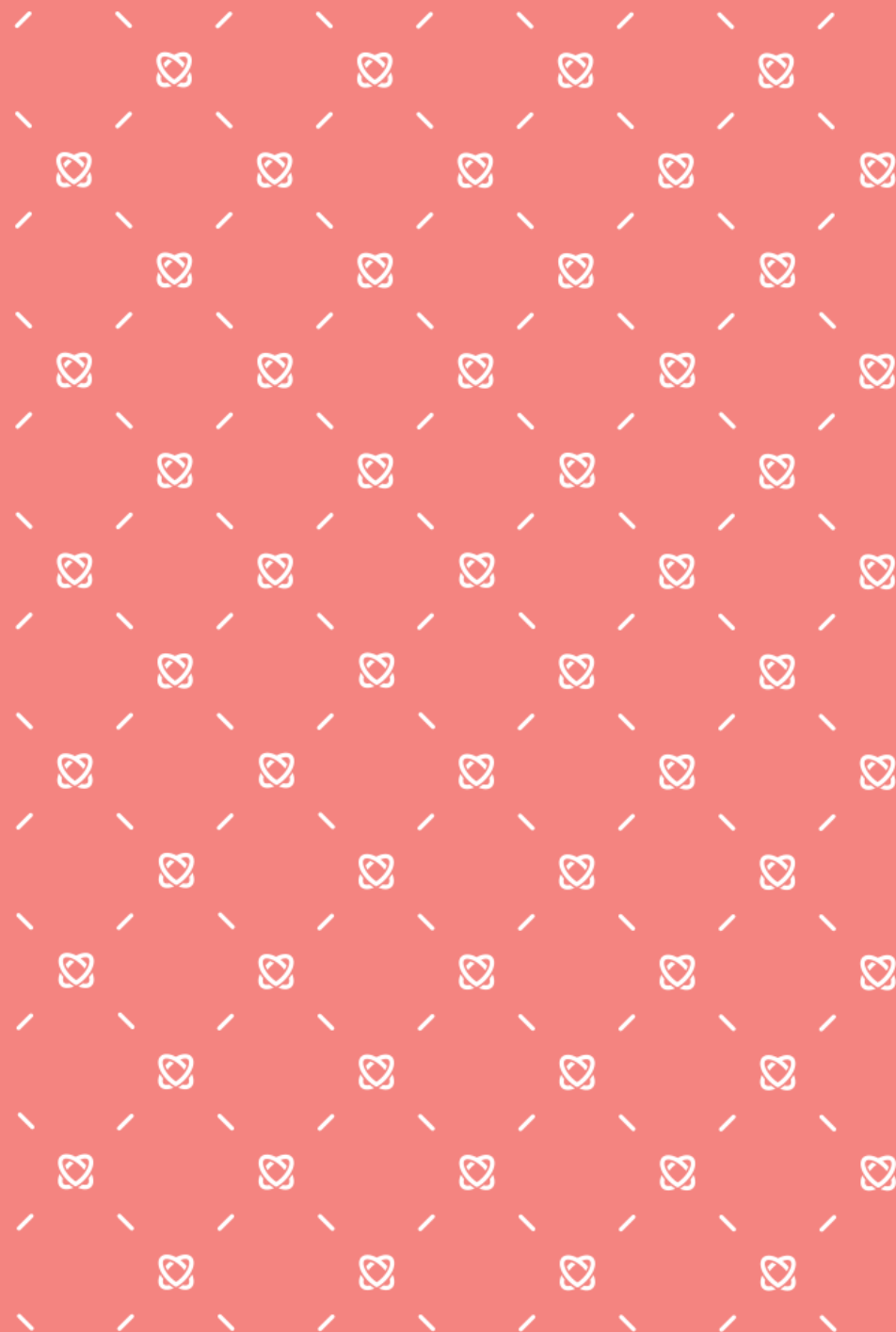
In recent years, Fantasia has invested on education, training and research infrastructure in order to sustain the economical success.

A Case Study

- A **case study** is a research strategy and an empirical inquiry that investigates a phenomenon within its real-life context.
- This time we will work on an imaginary case: The Regulatory Body of Rep. of Fantasia needs a Training System



SÄTEILYTURVAKESKUS
STRÅLSÄKERHETSCENTRALEN
RADIATION AND NUCLEAR SAFETY AUTHORITY



Regulatory Body of the Republic Of Fantasia

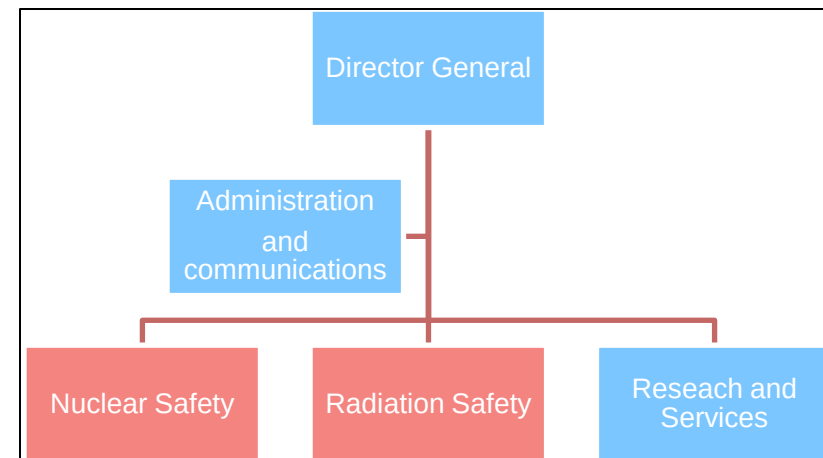
Fantasia operates an NPP with two active units. These units have been in use for nearly 20 years. In addition, the licensee organization has started the early preparations of a new built project aiming for two units on a new site location.

Besides the NPP, Fantasia has several radiation facilities and uses wide range of radioactive sources in sectors of healthcare, agriculture, industry and sciences.

The number of radioactive sources used in Fantasia is estimated to increase by 20 % in the next 10 years.

The Nuclear and Radiation Safety Authority (NSRA) is the regulatory body of Fantasia.

NSRA is responsible for all radiation and nuclear safety oversight activities in the nation.



Objective of the Case Study

- NRSA, the regulatory body of Fantasia needs a new training system – and you are here
 - for establishing an initial framework of an updated training system for nuclear and radiation safety.

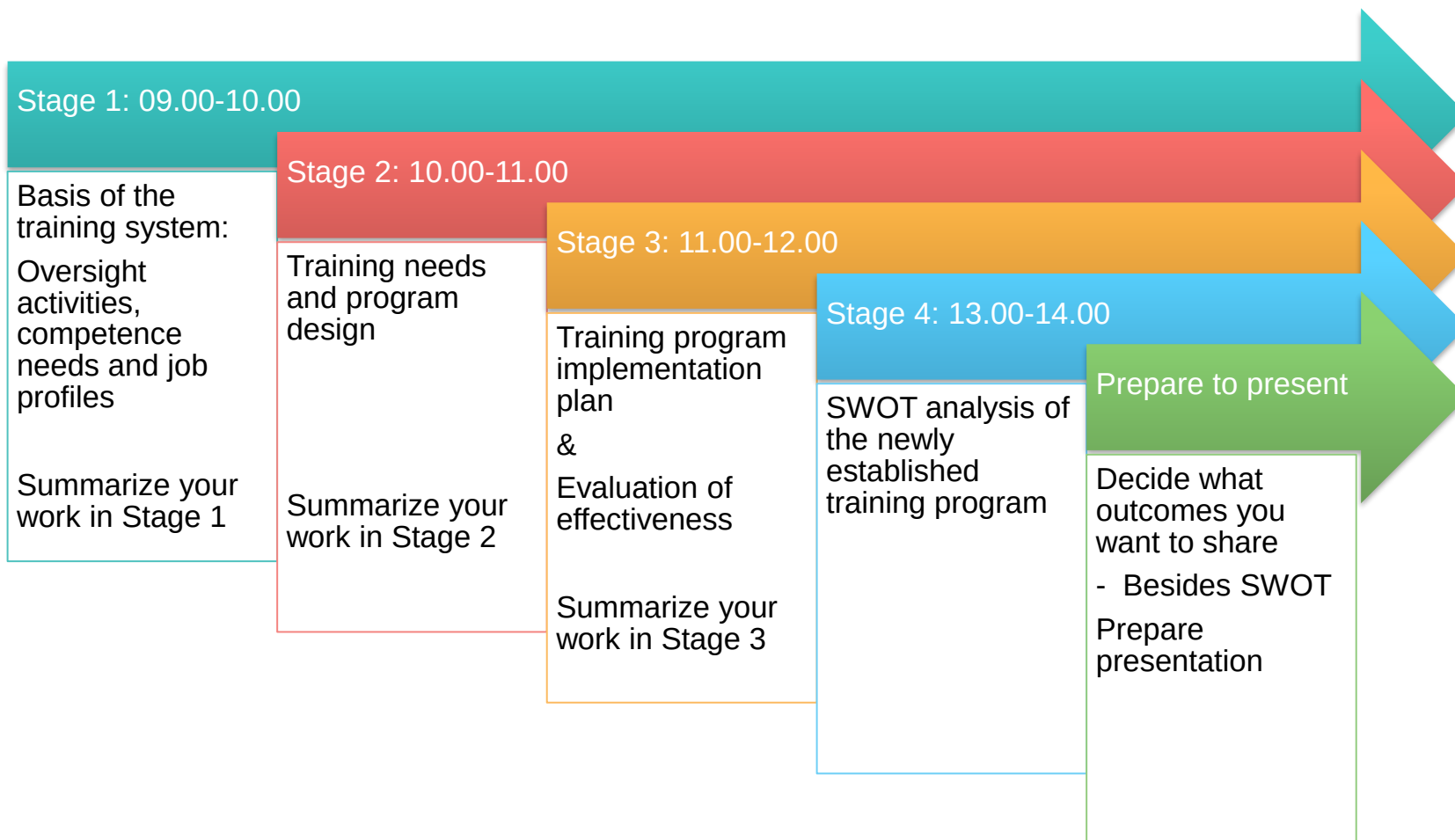
Overall guidelines for working:

- Focus on the big picture and overall structures!
 - Not every detail needs to be in place. No stress. Smile! 😊
 - Discuss and share your thoughts with your colleagues; discuss
- Self-reflection during and after the case study:
 - What are the clear and easy areas for you? Why?
 - What are the areas you struggle with? Why?

Your task is to...

- *Your group's task is*
 - *to help the regulatory body to establish an initial framework of a training system for developing and sustaining regulatory capacity of nuclear and radiation safety.*
 - the training system must include training for three job profiles: Licensing specialist, Safety Assessor and Inspector.
- Your work is divided into the following stages (1-4) and guided by the instructions and templates provided.
- To support your work in Stage 1, you may use the IAEA documentation (online)
 - You may use them (as you like) e.g. to define core competencies and job profiles.

The Four Stages of the Case Study



SWOT analysis in brief

- SWOT analysis is a method for identifying and analysing (internal) strengths and weaknesses & (external) opportunities and threats that shape current and future operations and help develop strategic goals.
 - Can be used by organizations and individuals to engage in constructive introspection, reflection and e.g. form improvement goals and plans.
- General steps:
 - Define objectives and purposes
 - (Research the organizational operations and operating environment)
 - Identify:
 - Strengths
 - Weaknesses
 - Opportunities
 - Threats

Strenghts	Opportunities
Weaknesses	Threats

Let's organize ourselves 😊

WG-1 (presenting stage 1)	WG-2 (presenting stage 2)	WG-3 (presenting stage 3)	WG-4 (presenting stage 4)
<i>Licensing Specialist of Nuclear Installations</i>	<i>Licensing Specialist of Radiation Facilities and Activities</i>	<i>Nuclear Safety Assessor Specialist</i>	<i>Radiation Safety Inspector</i>
Pineda, Camille	Anonas, Framelia	Valdez, John	Dolot, Justine Mae
Caldona, Mark Angelo	Barro, Norman Jay	Sion, Joshell Mharielle	Bulos, Mary Gold
Nebril, Maria Reza	Zhu, Xiangjun	Songmei, Zhang	Istiawan, Rohmat
Isgiyanti, Nur	Tossekbay, Akerke	Lee, Hantae	Lee, Junghyup
Azhani Binti Mohd, Razali	Ibrahim, Erma Hafiza	Kajonchotiphong, Suchaya	Pinkaew, Tatiyaporn
Mai, Phong			

What is expected from the WGs? (TO DO)

- Work through all (Stages 1-4) to establish a training program
 - Use guidance sheets and templates etc.
 - Summarize each stage by developing shared outcome for the WGs work
 - Prepare your **brief presentation** on the Stage your WG is presenting
- During the Friday presentations WGs will present key outcomes of different stages (15-20 min / group):
WG1→S1, WG2→S2, WG3→S3 and WG4→S4
 - Briefly explain your work process, present some examples of your work and outcomes
 - Share your overall findings and feelings of the experience
 - Which activities feel difficult in real life? Why?
 - To which areas/activities we should pay special attention to when developing training programs of our home organizations? Why?

What you will need...

- 'Support pack'
 - instructions and templates (to be downloaded)
- One laptop per working group
- One (semi-)voluntary 'Technical Secretary' responsible for
 - recording the outcomes on the templates
 - keeping track of time
- One (semi-)voluntary 'Presenter' responsible for
 - summarizing and presenting the outcomes
- Designated space for working
- Active and positive mindset. 😊

Questions?

