# Exercise week 2

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**Goal:** Analyze the scenario and understand the challenges and goals, select a framework that aligns best with it, explain why it does.

## Scenario 1

Since this scenario refers to a **financial company** that has problems/challenges with IT governance and compliance, this might mean that the company needs more structure to align the IT part of the team, with the overall objectives of the business.

It is mostly probable that the most impactful framework for this case will be **COBIT,** which is primarily focused on achieving objectives in governance and management of enterprise IT.

COBIT should be considered the most suitable framework in this case because it has a focus on aligning IT with business goals, management of risks, and compliance. Additionally, taking into consideration the segregation factor of COBIT (as it likes to put clear identification of various company management layers), it might be beneficial to have proper structure, and clear view of the management tree. This way, the company should ease the monitoring of IT processes, and overall manage to get more insight into the team composition, while also aligning the processes of the business together.

## Scenario 2

In this scenario, while it also might look like COBIT can be the most suitable framework, it will however benefit more from the **TOGAF** framework, as the company has major problems/goals with setting for digital transformation. This might be a good moment to make the scope clearer and have a better vision.

Taking into consideration such a case, TOGAF would be a good solution, as its main goal is to effectively integrate and align businesses and IT strategies, which is the factor needed in this scenario. By implementing this framework, the company should benefit from the phases that the framework has, which include understanding the framework, defining business architecture, planning and implementation.

## Scenario 3

Considering the struggle with data security and compliance with the new regulations regarding GDPR and HIPAA, it is clear that the most suitable framework in such a case is **ISO 27000** series.

ISO 27000 series is known to be more focused on risk management, as in data security it is crucial to continuously manage various risks and always consider new problems that may arise. This framework really wants to help organizations manage data integrity, confidentiality and availability.

Some more specific examples of 27000 series can be 27001 and 27005. 27001- embraces the main ideology of 27000, but with more focus towards maintaining, establishing and improving of an ISMS (Information Security Management System), which can be pretty favorable for this telecom company. 27005 – embraces the facts mentioned above, but also adds more value to the case as it cares about information security, so it should be even more favorable.

## Scenario 4

As this scenario tackles critical infrastructure (of a capital, country, or other sectors), and the company has problems with cybersecurity defense against potential threats, it is clear that the most beneficial framework will be **NIST CSF.**

First of all, this framework should be considered the most suitable one due the criticality of the infrastructure. Such a crucial sector should maintain its full availability as much as possible and evade any possible threats (or as many as possible). Another take is that the framework considers the most important values of security, as it has core functions which include identifying risks, assets, data; protecting of critical infrastructure; detecting cybersecurity events (which can be very dangerous if not observed in time); responding to incidents, and even setting RTO – recovery time objective – which will make the business be back as soon as possible. It might be possible that another addition of **ISO 27000** series should be beneficial, however NIST CSF is clearly already giving a lot of potential improvements.