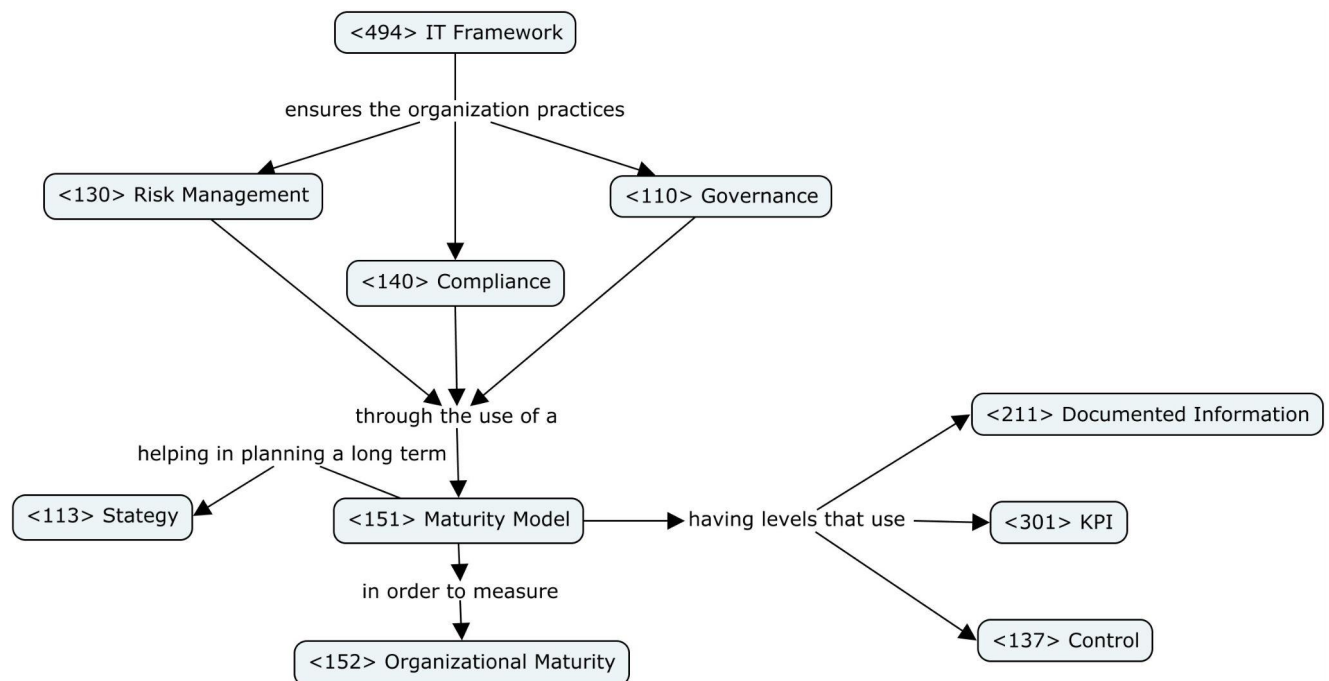Maria Campos 95629

COBIT and Maturity

CMAP and Description

Concept	Definition
<495> IT Framework	A framework that is business focused and defines a set of generic processes for the management of IT, with each process defined together with process inputs and outputs, key process-activities, process objectives, performance measures.[1]

COBIT is an **IT Framework** that exists to ensure that an organisation performs **Risk Management,** controlling its activities in regards to risk, **Compliance**, making sure all requirements are fulfilled and **Governance**, making sure objectives are met and the performance is measured. This is done through the use of a **Maturity Model,** which measures **Organisational Maturity** (e.g: efficiency of processes) with six levels that helps the organisation make a long-term **Strategy.** This model uses various data such as performance indicators like **KPIs**, **Documented Information** within the organisation and **Control** to measure modifying risks.

Description of the Subject

COBIT is the acronym that stands for Control Objectives for Information and Related Technologies and was designed in order to help organisations to match their IT activities with their **business objectives**, manage **risks**, optimise resource utilisation and ensure **compliance** according to regulation and standards. It is essentially a framework that provides an extensive set of principles, practices, and control objectives that organisations can use to ensure effective **governance** and **management** of their IT resources.[1]

This framework also provides a **maturity model**[2] composed of six levels, in order for organisations to assess their effectiveness in implementing and managing their IT processes. The levels, from lowest to highest, are:
- Level 0 - Incomplete: in this level, no IT process has been implemented by the organisation, there is no understanding or awareness of the process and no standard **control** practices are in place.
- Level 1 - Performed: The process has been started by the organisation but it is still "ad hoc" and with no control with potential inconsistent practices implemented, alongside minimal management and monitoring.
- Level 2 - Managed: Basic practices and controls for the process are set and implemented by the organisation. Although there are still some inconsistencies across different areas in the organisation, there is an ongoing increase in the acknowledgement of the importance of the process and there are efforts performed to standardise and document practices.
- Level 3 - Established: The organisation has defined and **documented** standardised practices and controls for the process and internally understands its goals, roles and responsibilities. Even though there may be room for improvement, the process is consistently implemented across the organisation.
- Level 4 - Predictable: The organisation keeps track of the process by using **Key Performance Indicators** (KPIs) to understand its effectiveness. The process is well defined and regular reviews are actively performed and improvements are made based on the results from the reviews.
- Level 5 - Optimised: The organisation now has a culture of continuous improvement, where the process is consistently monitored, measured, and optimised. The priority is always seeking new methods to maximise efficiency and effectiveness.

In conclusion, COBIT helps companies follow the law, earn more by maximising their efficiency while maintaining independence from specific manufacturers, technologies and platforms. It also uses a reference process model that can be understood by

everyone in the organisation, assigns responsibility, eliminates redundancies and measures performance. By committing to the framework's guidelines, organisations can ensure compliance and regulation, optimise their IT processes, and make informed decisions to ensure the organisation's success.

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References

[1] COBIT [Online]

https://en.wikipedia.org/wiki/COBIT

[2] How do you ensure continuous learning and improvement of your IT governance using COBIT? [Online]

https://www.linkedin.com/advice/0/how-do-you-ensure-continuous-learning-improvement

[3] Effective Capability and Maturity Assessment Using COBIT 2019

https://www.isaca.org/resources/news-and-trends/industry-news/2020/effective-capability-and-maturity-assessment-using-cobit-2019