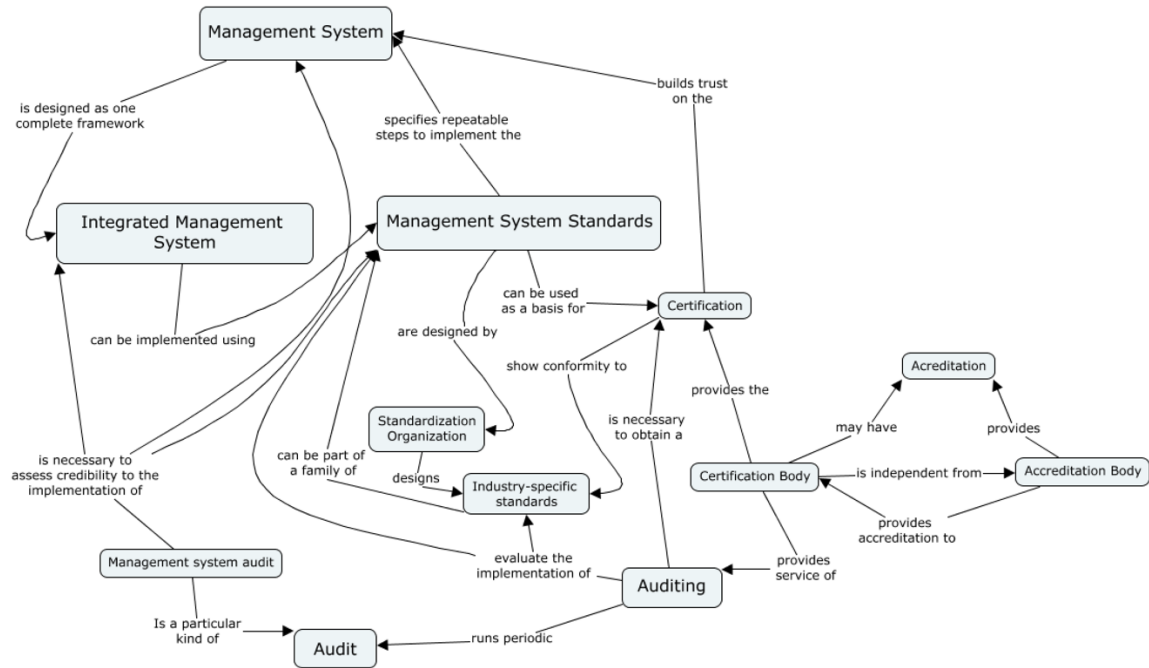## 1 – Conceptual analysis

Concept	Definition (one sentence by concept)
Management System	A management system is a "set of interrelated or interacting elements of an organization to establish policies and objectives and processes to achieve those objectives"
Management System Standards	"specify repeatable steps that organizations consciously implement to achieve their goals and objectives, and to create an organizational culture that reflexively engages in a continuous cycle of self-evaluation, correction and improvement of operations and processes through heightened employee awareness and management leadership and commitment."
Integrated Management System	"integrates all of an organization's systems and processes into one complete framework, enabling an organization to work as a single unit with unified objectives."
Certification	"the provision by an independent body of written assurance (a certificate) that the product, service or system in question meets specific requirements."
Certification Body	An accredited Body that "operates according to international standards" that provides a certification
Accreditation Body	A body that provides "Accreditation (that) assures users of the competence and impartiality of the body accredited."
Industry-specific standards	"a variety of industry-specific characterizations and specifications whose requirements are to be integrated in the respective IMS as an enhancement to comprehensive standards."
Accreditation	"the formal recognition by an independent body, generally known as an accreditation body, that a certification body operates according to international standards."
Standardization Organization	An organization whose mission is to design specifications for products, services and systems, to ensure quality, safety and efficiency.
Management system audit	"systematic, independent and documented process for obtaining objective evidence and evaluating it objectively to determine the extent to which the audit criteria are fulfilled."
Audit	"Audits examine whether processes, products, systems or individual areas comply with requirements, guidelines or stipulations that have either been created and developed in-dependently or defined nationally or internationally."
Auditing	The process of conducting an audit, from Planning, Operation support, Performance evaluation, Improvement and Leadership.

2 – Description of the analysis

Management systems can be designed as one complete framework in order to become Integrated Management Systems. In order to make implementation more systematic, there are organizations that focus on designing standards (Standardization Organization) and they produce Industry-specific standards. Some of which belong to a family of Management System Standards. Moreover, Management System Standards (MSS) specify repeatable steps to implement the Management System. But in order to understand if the implementations are adequate Certifications are needed. They build trust on the implementation of the management system if acquired. In order for these Certifications to be acquired, and independent Certification body (composed of auditors) preform auditing services that run periodic audits, in this case Management system audits. These audits are necessary to assess credibility to the implementation of the Management System Standards. For this Certification body to award competence on the usage of the standards it must hold an accreditation provided by an independent accreditation body.

3 – Research

One example of a potentially relevant standard in the context of this course is SO/IEC 27000:2018, an ISO/IEC 27001 Information security management family of standards member.

This standard "provides the overview of information security management systems (ISMS)." It is important because it provides several definitions for the main ideas used in the ISMS family of standards.
(https://www.iso.org/standard/73906.html)

I chose this standard because it is a starting point to the further study of the ISMS standards. It relates to this course in the sense that defines rigorously some important concepts of Information security management. Some of those definitions have already been studied in this and the past report such as: audit, conformity, governance of information security, governing body, among others. It is also quite interesting to denote that as this is focused on definitions; it is highly academic as well as versatile in terms of applications.

4 – Topic for discussion

I would like to understand implementation of an Integrated Management System, particularly how do we find compromise in a standard in order to follow another.

I believe that is relevant because it helps on the understanding of how the flexibility of the standard implementation works.