ANNEX 1 - MATRIX

Comments

1 2 3 4 5 Score

Initiating Process Group			_	•	·			
4.1 Develop Project Charter	Present in ISO 27001	х					1	- No mention in the ISO documentation - Declaration by the top management including IS values in the organizations core
	Present in the proyect			х			3	objectives - Although there is not an official document, the responsibility/authority unofficially fell upon the head of the IT department who assumed it instantly
		1	2	3	4	5	Score	Comments
13.1 Identify Stakeholders					1		l	
	Present in ISO 27001				x		4	- The ISO 27001 stablishes the importance of having the support of the top management - The ISO 27001 does not consider the impact that other stakeholders may have
								- Once the information security risks inventory was completed, all risk owners were
	Present in the proyect					х	5	identified. - Responsibility for a particular risk could change after further evaluation but no risk could be registered in the initial inventory without being assigned to a particular stakeholder
Planning Process Group		1	2	3	4	5	Score	Comments
4.2 Develop Project Management Plan							ī	
	Present in ISO 27001			х			3	- Paragraph 4 of the ISO 27001 stresses the importance of identifying all relevant elements involved relevant to the project - In its Annex A, the ISO 27001 lists the control objectives that an ISMS should achieve and the types of controls for each of the objectives
	Present in the proyect					х	5	- The first step of the project was, using the Anex A of the ISO 27001, to identify all the areas of the company relevant to the project
		1	2	3	4	5	Score	Comments
5.1 Plan Scope Management		1	2	3	4	5	Score	Comments
5.1 Plan Scope Management	Present in ISO 27001	1	2	3	4	5	Score 4	- The paragraph 6.1.2 of the ISO 27001 contains guidelines for how the scope of an ISMS should be elaborated
5.1 Plan Scope Management	Present in ISO 27001 Present in the proyect		2	3		5	1	- The paragraph 6.1.2 of the ISO 27001 contains guidelines for how the scope of
5.1 Plan Scope Management					x	x	4	- The paragraph 6.1.2 of the ISO 27001 contains guidelines for how the scope of an ISMS should be elaborated - The main objective of the project was to achieve the certification against the ISO 27001 and the completion of the documentation required for the certification was
5.1 Plan Scope Management5.2 Collect Requirements					x	x	4	- The paragraph 6.1.2 of the ISO 27001 contains guidelines for how the scope of an ISMS should be elaborated - The main objective of the project was to achieve the certification against the ISO 27001 and the completion of the documentation required for the certification was used to manage the scope
	Present in the proyect			3	x	x	4 5 Score	- The paragraph 6.1.2 of the ISO 27001 contains guidelines for how the scope of an ISMS should be elaborated - The main objective of the project was to achieve the certification against the ISO 27001 and the completion of the documentation required for the certification was used to manage the scope Comments - Annex A of the ISO 27001 is a list, with brief definitions, of all the controls that
	Present in the proyect Present in ISO 27001	1	2	3	4	5	4 5 Score	- The paragraph 6.1.2 of the ISO 27001 contains guidelines for how the scope of an ISMS should be elaborated - The main objective of the project was to achieve the certification against the ISO 27001 and the completion of the documentation required for the certification was used to manage the scope Comments - Annex A of the ISO 27001 is a list, with brief definitions, of all the controls that an ISMS can have - Exhaustive review of all ISO requirements - Consideration of the applicability of all the ISO requirements to the organization - Proposal of how the applicable ISO requirements where going to be met - Determination of which stakeholders should be consulted before defining the
	Present in the proyect Present in ISO 27001	1	2	3	4	5	4 5 Score 3	- The paragraph 6.1.2 of the ISO 27001 contains guidelines for how the scope of an ISMS should be elaborated - The main objective of the project was to achieve the certification against the ISO 27001 and the completion of the documentation required for the certification was used to manage the scope Comments - Annex A of the ISO 27001 is a list, with brief definitions, of all the controls that an ISMS can have - Exhaustive review of all ISO requirements - Consideration of the applicability of all the ISO requirements to the organization Proposal of how the applicable ISO requirements where going to be met - Determination of which stakeholders should be consulted before defining the controls that should be implementedirements
5.2 Collect Requirements	Present in the proyect Present in ISO 27001 Present in the proyect	1	2	3	4	5	4 5 Score 3 Score	- The paragraph 6.1.2 of the ISO 27001 contains guidelines for how the scope of an ISMS should be elaborated - The main objective of the project was to achieve the certification against the ISO 27001 and the completion of the documentation required for the certification was used to manage the scope Comments - Annex A of the ISO 27001 is a list, with brief definitions, of all the controls that an ISMS can have - Exhaustive review of all ISO requirements - Consideration of the applicability of all the ISO requirements to the organization - Proposal of how the applicable ISO requirements where going to be met - Determination of which stakeholders should be consulted before defining the controls that should be implementedirements Comments - Paragraph 4.3 of the ISO 27001 states that an organization should determine the
5.2 Collect Requirements	Present in the proyect Present in ISO 27001 Present in the proyect	1	2	3	4 4 ×	x 5 x x	4 5 Score 3 5 Score 4	- The paragraph 6.1.2 of the ISO 27001 contains guidelines for how the scope of an ISMS should be elaborated - The main objective of the project was to achieve the certification against the ISO 27001 and the completion of the documentation required for the certification was used to manage the scope Comments - Annex A of the ISO 27001 is a list, with brief definitions, of all the controls that an ISMS can have - Exhaustive review of all ISO requirements - Consideration of the applicability of all the ISO requirements to the organization - Proposal of how the applicable ISO requirements where going to be met - Determination of which stakeholders should be consulted before defining the controls that should be implementedirements Comments - Paragraph 4.3 of the ISO 27001 states that an organization should determine the scope of its ISMS - Several meetings were needed to determine the reach of the ISMS - The fifth version of the scope was finally validated and it contains what is going to be included in the ISMS offices, CDPs, software's, hardware's, external
5.2 Collect Requirements	Present in the proyect Present in ISO 27001 Present in the proyect	1	2	3 x	4 4 ×	x 5 x x	4 5 Score 3 5 Score 4 5	- The paragraph 6.1.2 of the ISO 27001 contains guidelines for how the scope of an ISMS should be elaborated - The main objective of the project was to achieve the certification against the ISO 27001 and the completion of the documentation required for the certification was used to manage the scope Comments - Annex A of the ISO 27001 is a list, with brief definitions, of all the controls that an ISMS can have - Exhaustive review of all ISO requirements - Consideration of the applicability of all the ISO requirements to the organization - Proposal of how the applicable ISO requirements where going to be met - Determination of which stakeholders should be consulted before defining the controls that should be implementedirements Comments - Paragraph 4.3 of the ISO 27001 states that an organization should determine the scope of its ISMS - Several meetings were needed to determine the reach of the ISMS - The fifth version of the scope was finally validated and it contains what is going to be included in the ISMS offices, CDPs, software's, hardware's, external providers, etc Comments - Although the ISO provides a detailed list of all the possible controls that an ISMS could incorporate, it does not go into more detail than to provide a brief
5.2 Collect Requirements5.3 Define Scope	Present in the proyect Present in ISO 27001 Present in the proyect Present in ISO 27001 Present in the proyect	1	2	3 x	4 4 ×	x 5 x x	4 5 Score 4 5 Score	- The paragraph 6.1.2 of the ISO 27001 contains guidelines for how the scope of an ISMS should be elaborated - The main objective of the project was to achieve the certification against the ISO 27001 and the completion of the documentation required for the certification was used to manage the scope Comments - Annex A of the ISO 27001 is a list, with brief definitions, of all the controls that an ISMS can have - Exhaustive review of all ISO requirements - Consideration of the applicability of all the ISO requirements to the organization - Proposal of how the applicable ISO requirements where going to be met - Determination of which stakeholders should be consulted before defining the controls that should be implementedirements Comments - Paragraph 4.3 of the ISO 27001 states that an organization should determine the scope of its ISMS - Several meetings were needed to determine the reach of the ISMS - The fifth version of the scope was finally validated and it contains what is going to be included in the ISMS offices, CDPs, software's, hardware's, external providers, etc Comments - Although the ISO provides a detailed list of all the possible controls that an ISMS

		1	2	3	4	5	Score	Comments
9.1 Plan Resource Management						ı	1 .	- The ISO 27001 does not contemplate how to manage the resources required to
	Present in ISO 27001	х					1	implement or certificate an ISMS - There was not a specific planification for the resource management of this
	Present in the proyect		х				2	particular project. The main resources were the team members, that were from the IT department and their management fell naturally upon the head of the department and project manager
		1	2	3	4	5	Score	Comments
9.2 Estimate Activity Resources								- The ISO 27001 merely notes that the organization should determine and supply
	Present in ISO 27001		X				2	the necessary resources for the implementation, control and maintenance of an ISMS. But does not go into specifics to which those resources may be - The members of the IT department responsible for the completion of this project,
	Present in the proyect			x			3	were aware of its importance but there was not a formal estimation of the resources required to carry on each activity Nonetheless, if at any time a member of the team could not comply in time, additional resources would have been assigned upon request
		1	2	3	4	5	Score	Comments
10.1 Plan Communications Management				ı		1	1	To the position 7.4, the ICO 27001 makes of how impostant it is to
	Present in ISO 27001		x				2	 In its section 7.4, the ISO 27001 makes note of how important it is to communicate the requirements of the ISMS to any member of the organization that may have any impact on them This is regarded as a requirement of an ISMS, an so it constitutes an activity that the project team had to deliver. What the ISO 27001 does not contemplate is how
								to manage communication to ensure the success of the project - Communications between team members were conducted as they were already
	Present in the proyect				x		4	accustomed and using the same communication channels - When needed, any communication or notifications with other stakeholders from within the company were conducted using the preexisting channels - There had to be special consideration for the communication with the consulting company was required
		1	2	3	4	5	Score	
11.1 Plan Risk Management				I	ı -	1	1	
	Present in ISO 27001	x					1	- Although the ISO 27001 extensively covers the subject of risk management for information security and the maintenance of an ISMS, it does not consider what risks may impact its implementation or how to manage them
	Present in the proyect	х					1	- Because of the nature of the ISO 27001 many of the project activities involved risk management (in relation with IS), but there has been no formal treatment of the risks that the project faced in any terms similar to what the PMBOK presents
		1	2	3	4	5	Score	Comments
11.2 Identify Risks							1	- The ISO 27001 greatly emphasizes the importance of identifying possible
	Present in ISO 27001	х					1	information security risks as well as their sources but, it does not consider any risk (unrelated to IS) that may threaten the implementation project
	Present in the proyect	x					1	 - As in the previous item, the project performed risk identification as part of the activities required to implement and then certificate the ISMS, but no resources were allocated to the identification and documentation of individual project risks or their possible sources.
		1	2	3	4	5	Score	Comments
11.3 Perfform Qualitative Risk Analysis							_	
	Present in ISO 27001	х					1	- The ISO 27001 in its paragraph 6.1.2 mentions the importance of systematically evaluating risks in order to prioritize them, but again, this exclusively refers to risks related to the information security
	Present in the proyect	х					1	- As there was no formal identification of the risks that the project may encounter there was no prioritization either
11.4 Perform Quantitative Risk Analysis		1	2	3	4	5	Score	Comments
	Present in ISO 27001	х					1	- The ISO 27001 in its paragraph 6.1.2 mentions the importance of systematically evaluating risks in order to prioritize them, but again, this
	Present in the proyect	x					1	exclusively refers to risks related to the information security - As there was no formal identification of the risks that the project may
		1	2	3	4	5	Score	encounter there was no prioritization either Comments
11.5 Plan Risk Responses							-	
	Present in ISO 27001	х					1	- As in the previous cases, the ISO 27001 only contains guidelines for the planification of responses for information security risks
	Present in the proyect	x					1	 Again, many of the project activities consisted in developing responses to the identified information security risks but there was no formal consideration for the risks that the project may face and so, there was no responses planned in advance

12.1 Plan Procurement Management								
-	Present in ISO 27001	х					1	- There is no mention in the ISO 27001 about how the purchase of goods or
	Present in the proyect		х				2	services that an ISMS may require should be managed - The project manager did not consider the planification of procurement management of great importance to this particular project, due to its particularities and the fact that the company already has a department that manages the purchase of goods and services that the organization may require
		1	2	3	4	5	Score	Comments
12.2 Plan Stakeholder Engagement	Present in ISO 27001			х			3	- In its paragraph 7.3 the ISO 27001 mentions the importance of keeping everyone, whose actions may impact the information security, involved with the ISMS implementation or maintenance - The stakeholder engagement plan merely contemplated informing each of
	Present in the proyect			х			3	the identified information security risk owners, notifying them about their "new" official responsibilities, and about any changes required from them to mitigate a particular risk
Executing Process Group		1	2	3	4	5	Score	Comments
4.3 Direct and Manage Project Work	Present in ISO 27001	х					1	- The ISO 27001 does not consider how to improve the efficiency of the
	Present in the proyect				х		4	process or certification of an ISMS - Short and highly structured meetings specially in the first stages of the project to ensure that every team member understood the task ahead Deliverables were set along the project schedulle to assess the progression of the project
4.4 Manage Project Knowledge 8.2 Manage Quality		1	2	3	4	5	Score	
	Present in ISO 27001	х					1	- Proper project knowledge management is not contemplated in the ISO 27001
	Present in the proyect			х			3	- The organization has not a system in place to share "explicit" knowledge during the execution of past projects - Tacit knowledge management does not have a system in place either. In this particular project was limited to the past experiences of the project team members and, because of the relative seniority of the team members within the organization it proved sufficient
		1	2	3	4	5	Score	Comments
	Present in ISO 27001 Present in the proyect			х	x		3	Requires an external audit to be certifiable Consisted in the evaluation of the different deliverables both by the hired consultants and the project management (independently). The results were put in
	. ,		2	3		5	Score	common and corrections were implemented when needed
9.3 Acquire Resources			l			1	1 _	- The ISO 27001 acknowledges the importance of dedicating the appropriate
	Present in ISO 27001 Present in the proyect			х			3	resources for the implementation and maintenance of the ISMS - A consulting agency was hired to provide support throughout the project - Any software or hardware deemed required to obtain the ISO certification
	Present in the proyect				Х]	was channeled through the company's usual purchase procedures
9.4 Develop Team		1	2	3	4	5	Score	Comments
	Present in ISO 27001					х	5	- In its paragraph 7.2 the ISO 27001 stresses the importance of ensuring that any member of the organization that may impact the ISMS has the required competences and, if needed, to provide training so they can develop them
	Present in the proyect					х	5	- The project team was integrated by members of the IT department that were highly educated. In addition, at the beginning of the project they were provided with training so they could familiarize themselves with the ISO 27001 and its requirements
		1	2	3	4	5	Score	Comments
9.5 Manage Team	Present in ISO 27001	х					1	- The ISO 27001 does not cover the management of the team responsible for the implementation of the ISMS
	Present in the proyect			х			3	- After the assignment of responsibilities to members of the IT department the control of the team management was limited to the provision of feedback upon request or on project deliverables - All the team members where already part of the staff and, when the project was launched, they began to work on their assignments as usually