



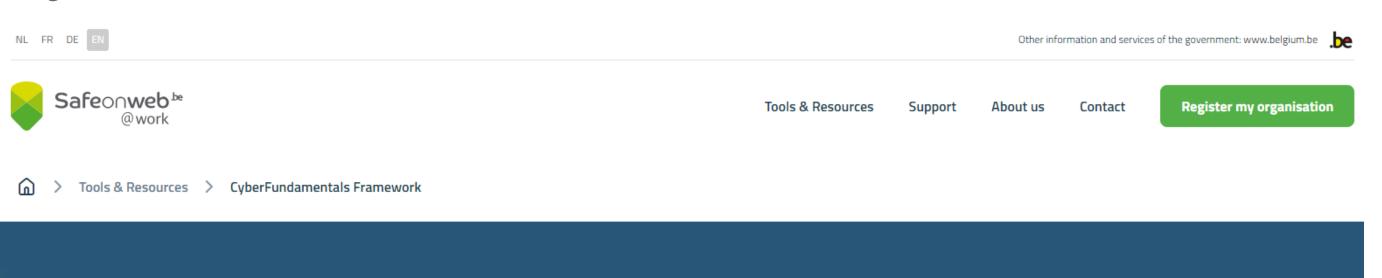
National Cybersecurity Certification Authority (NCCA)

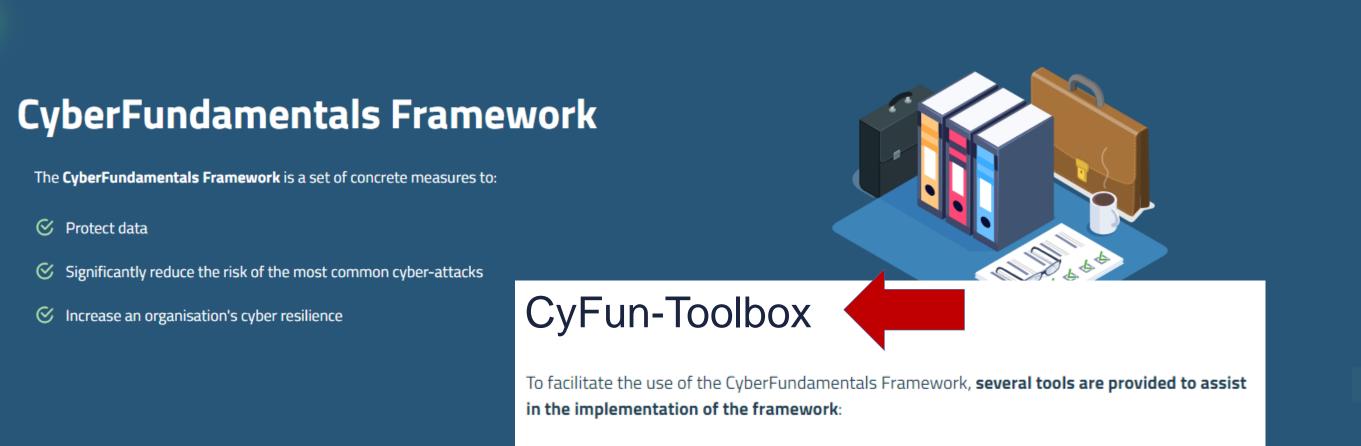


Where can you find the tool



CyberFundamentals
Self-Assessment tool
is
publicly available (EN)
→ www.cyfun.be







CyFun Self-Assessment tool

the appropriate CyberFundamentals Assurance Level.

ent and

 CyberFundamentals Framework mapping provides an overview of the requirements and links with the frameworks in a MS Excel-format

• CyFun Selection Tool is a tool for risk assessment resulting in a well-informed selection of

What does the tool look like



This workbook is the self-assessment tool for the CyberFundamentals Framework. The CyberFundamentals Framework is developed by the Centre for Cybersec (CCB), which operates under the authority of the Prime Minister of Belgium. The framework includes a set of concrete measures to protect data, significantly reof the most common cyber-attacks, and increase the cyber resilience of organisations.

The framework is available for both voluntary and mandatory use.

In case of voluntary use, it is considered as National Certification Scheme for Cybersecurity CertiUSE LAST VERSION Art. 3 8°).

For mandatory use of the certification scheme, the laws and regulations imposing mandatory use apply.

The Cyberfundamentals Conformity self-declaration is based on a self-assessment using this tool. The self-declaration can be verified by an independent third-page 1. Conformity Assessment Body (CAB) and will then result in a label, a verified claim or a certificate in accordance with the Conformity Assessment Scheme.

	Change Log						
;	Date	Reason for change					
9	2023-06-07	Initial release					
	2023-06-12	Update conformity tresholds					
	July/November 2023	Intermediate updates after feedback users					
3	2024-01-08	Update after CyFun being approved for accreditation by the NAB (*)					
	2024-01-08	This update doesn't include any content related changes.					

Applicable version of the CyberFundamentels framework

requirements

CAS (**)

(**) CAS: Conformity Assessment Scheme

Directions:



Version

Version

on ections.	USE	I ASI	VEK510	
1) Fach "details" tab contains the controls of the respective cyberfundamentals framework level (BASIC	-11		V E I (OIO	•

The way each control is assessed considers 2 angles: How the controle is documented (documentation maturity) and how that documentation is implemented (implementation m maturity of each of the controls is assessed using the explanation in the Maturity Levels tab.

- (2) Based on the assessment and according to the maturity level, a value from 1 to 5 is entered per control in the "details" tab of each assurance level. This level is determined for (*) NAB: National Accreditation Body (BELAC) documentation maturity and implementation maturity.
- (3) The "summary" tab for the respective cyberfundamentals levels shows the maturity score that determines whether or not one is compliant in accordance with the Conformity Assessment Scheme. The target scores indicated in the "summary" tab are as determined in the Conformity Assessment Scheme.

The CyberFundamentals Framework, its tools and user instructions are available on: www.cyfun.be The CyberFundamentals Conformity Assessment Scheme is available on: www.cvfun.be

certification@ccb.belgium.be Questions and feedback regarding this framework can be addressed to:

NOTE: Since the CyFun® Self-Assessment Tool is an element of the CyFun® Conformity Assessment Scheme that operates under accreditation, it is not possible to unprotect cells or activate all MS Excel features.



Maturity Levels

BASIC Details

BASIC Summary

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References

2023-03-01

2023-11-20





The CyFun® Self-Assessment tool — Conformity Assessment Scheme





The tool is part of a conformity assessment scheme under accreditation which requires results to be reliable



Some cells are protected and shall not be changed

										IN	MPORTANT	
Function	Category	Key Measure	Subcategory	Requirement	Guidance	Documentation Score	Implementation Score	Subcategory Documentation Maturity Score	Subcategory Implementation Maturity Score	Category Documentation Maturity Score	Category Implementation Maturity Score	Comments ar
			ID.AM-1: Physical devices and systems within the organization are inventoried	The inventory of assets associated with information and information processing facilities shall reflect changes in the organization's context and include all information necessary for effective accountability.	 Inventory specifications include for example, manufacturer, device type, model, serial number, machine names and network addresses, physical location Accountability is the obligation to explain, justify, and take responsibility for one's actions, it implies answerability for the outcome of the task or process. Changes include the decommissioning of material. 	1	1	1,00	1,00	-ct	ed	
						1	1	P	to	9U	ed s	
				An inventory that reflects what software platforms and applications are being used in the organization shall be documented, reviewed, and updated when changes occur.	This inventory includes software programs, software platforms and databases, even if outsourced (SaaS). Outsourcing arrangements should be part of the contractual agreements with the provider. Information in the inventory should include for example: name, description, version, number of users, data processed, etc. A distinction should be made between unsupported software and unauthorized software. The use of an IT asset management tool could be considered.	1	1		(ell	5	
			ID.AM-2: Software platforms and applications within the organization are inventoried		The inventory of software platforms and applications should include the title, publisher, initial install/use date, and business purpose for each	1	1	1,00	1,00			

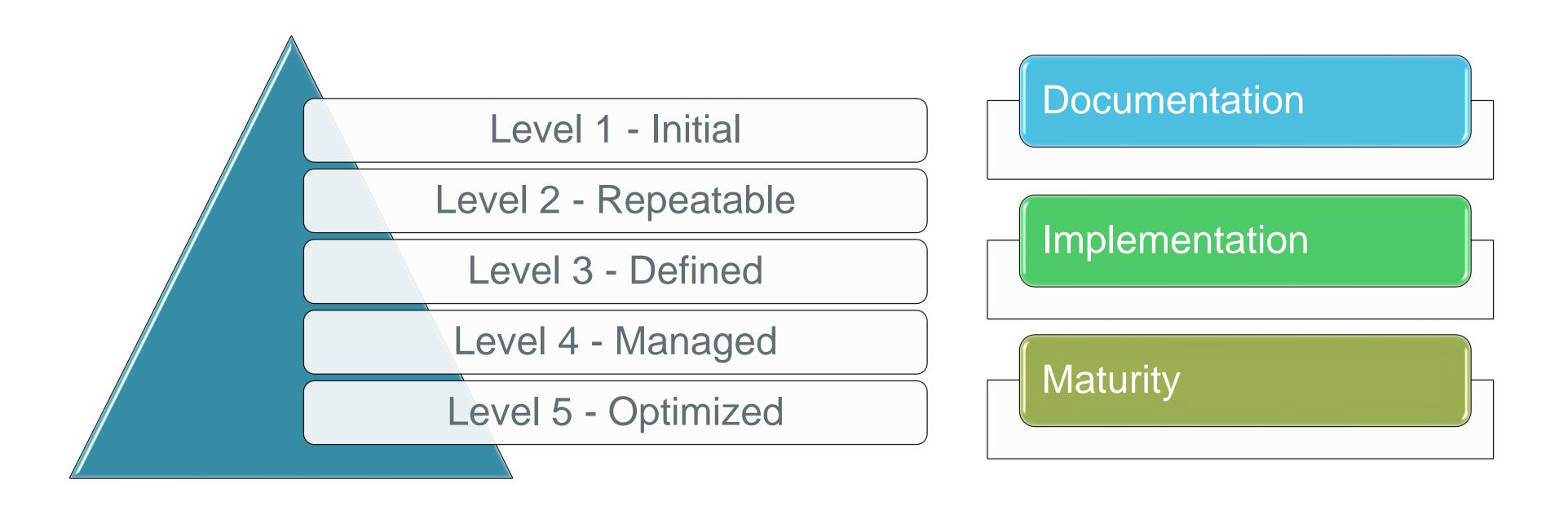
	CyberFundamentals Categories	Target Maturity Score	Category Maturity Score	Documentation Maturity Score	Implementation Maturity Score		Total Maturity level]	CyF	Un Self-Assesment Tool Version
	Overall	3,00	Muturity Score	1,03	1,02		1,03			
	Asset Management (ID.AM)	3,00	1,00	1,00	1,00		1,03			
	Business Environment (ID.BE)	3,00	1,00	1.00	1,00		•	_		
IDENTIFY	Governance (ID.GV)	3,00	1,00	1.00	1,00					
IDENTIFT	Risk Assessment (ID.RA)	3,00	1,00	1,00	1,00					
	Risk Management Strategy (ID.RM)	3,00	1,00	1,00	1,00					
	Supply Chain Risk Management (ID.SC)	3,00	1,00	1,00	1,00					
	Identity Management, Authentication and Access Control (3,00	1,00	1,00	1,00					
	Awareness and Training (PR.AT)	3,00	1,00	1.00	1,00					
PROTECT	Data Security (PR.DS)	3,00	1,00	1,00	1,00					
PROTECT	Information Protection Processes and Procedures (PR.IP)	3,00	1,00	1,00	1,00					
	Information Protection Processes and Procedures (PR.IP) Maintenance (PR.MA)	3,00	1,00	1,00	1,00			_		
	Protective Technology (PR.PT)	3,00	1,00	1,00	1,00		_			
DETECT	Anomalies and Events (DE.AE)	3,00	1,00	1,00	1,00		•			
DETECT	Security Continuous Monitoring (DE.CM)	3,00	1,00	1,00	1,00			7.		
	Response Planning (RS.RP)	3,00	1,00	1,00	1,00					
	Communications (RS.CO)	3,00	1,00	1,00	1,00					
RESPOND	Analysis (RS.AN)	3,00	1,63	1,75	1,50					
	Mitigation (RS.MI)	3,00	1,00	1,00	1,00					
	Improvements (RS.IM)	3,00	1,00	1,00	1,00					
	Recovery Planning (RC.RP)	3,00	1,00	1,00	1.00					
RECOVER	Improvements (RC.IM)	3,00	1,00	00	1,0					
	Communications (RC.CO)	3,00	1,00	0 /	1,00					
		Lucanon					KEY	MEASURES (KM)		
	CyberFundamentals Maturity	y Level IIVIPORI.	AN I CV	Fundamentals F	amework	Sub		Target	KM	Documentation
	Target Maturity Score —— Category Maturity Score —— Docum	nentation Maturity Score	e — Imj	Maturity Leve	ls	Category	Requirement	Maturity	Maturity	Maturity Score
		,				Category		Score	Score	waturity score
	- ' ' ' '		1				1			

	KEY MEASURES (KM)									
Sub Category	Requirement	Target Maturity Score	KM Maturity Score	Documentation Maturity Score	Implementation Maturity Score					
PR.AC-1	Identities and credentials for authorized devices and users shall be managed.	3,00	1,00	1,00	1,00					
PR.AC-3	The organization's networks when accessed remotely shall be secured, including through multi-factor authentication (MFA).	3,00	1,00	1,00	1,00					
PR.AC-4	Access permissions for users to the organization's systems shall be defined and managed.	3,00	1,00	1,00	1,00					
PR.AC-4	It shall be identified who should have access to the organization's business's critical information and technology and the means to get access.	3,00	1,00	1,00	1,00					
PR.AC-4	Employee access to data and information shall be limited to the systems and specific information they need to do their jobs (the principle of Least Privilege).	3,00	1,00	1,00	1,00					
PR.AC-4	Nobody shall have administrator privileges for daily tasks.	3,00	1,00	1,00	1,00					

	ES (KM)		
Sub Category	Requirement	Target Maturity Score	KN Matu Scor
ID.AM-6	Information security and cybersecurity roles, responsibilities and authorities within the organization shall be documented, reviewed, authorized, and updated and alignment with organization-internal roles and external partners.	3,00	1,0
PR.AC-3	Usage restrictions, connection requirements, implementation guidance, and authorizations for remote access to the organization's critical systems environment shall be identified, documented and implemented.	3,00	1,0
PR.AC-5	Where appropriate, network integrity of the organization's critical systems shall be protected by (1) Identifying, documenting, and controlling connections between system components. (2) Limiting external connections to the organization's critical systems.	3,00	1,0
PR.AC-5	The organization shall monitor and control connections and communications at the external boundary and at key internal boundaries within the organization's critical systems by implementing boundary protection devices where.	3,00	1,0
PR.DS-5	The organization shall take appropriate actions resulting in the monitoring of its critical systems at external borders and critical internal points when unauthorized access and activities, including data leakage, is detected.	3,00	1,0
PR.IP-1	The organization shall develop, document, and maintain a baseline configuration for the its business critical systems.	3,00	1,0
	The organization shall monitor and identify unauthorized use		

CyberFundamentals is measurable





The maturity levels



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Maturity level	Documentation	Documentation score	Implementation Implementation score				
Initial (Level 1)	No Process documentation or not formally ap management	proved by	Standard process does not exist .				
Repeatable (Level 2)	Formally approved Process documentation ex reviewed in the previous 2 years	kists but not	Ad-hoc process exists and is done informally.				
Defined (Level 3)	Formally approved Process documentation exist exceptions are documented and approved. Dapproved exceptions < 5% of the time		Formal process exists and is implemented. Evidence available for most activities. Less than 10% process exceptions.				
Managed (Level 4)	Formally approved Process documentation exist exceptions are documented and approved. Documented exceptions < 3% of the time	Formal process exists and is implemented. Evidence available for all activities. Detailed metrics of the process are captured and reported. Minimal target for metrics has been established. Less than 5% of process exceptions.					
Optimizing (Level 5)	Formally approved Process documentation exist exceptions are documented and approved. Documented exceptions < 0,5% of the time		Formal process exists and is implemented. Evidence available for all activities. Detailed metrics of the process are captured and reported. Minimal target for metrics has been established and continually improving. Less than 1% of process exceptions.				

The CyberFundamentals Architecture



Key Measure

Function	Catagory	Cubaatagam	Basic				
Function	Category	Subcategory	Requirement	Guidance			
PROTECT (PR)	Identity Management, Authentication and Access Control (PR.AC)	authorizations are managed, incorporating the principles of least privilege and	Access permissions for users to the organization's systems shall be defined and managed.	The following should be considered: Draw up and review regularly access lists per system (files, servers, software, databases, etc.), possibly through analysis of the Active Directory in Windows-based systems ()			





organization's systems shall be defined and managed.	databases, etc.), possibly through analysis of the Active Directory in Windows-based systems ()	Key Measure
	Important	
Requirement	Guidance	Key Measure
Where feasible, automated mechanisms shall be implemented to support the management of user accounts on ()	Consider separately identifying each person with access to the organization's critical systems with ()	
	Essential	
Requirement	Guidance	Key Measure
Account usage restrictions for specific time periods and locations shall be taken into account ()	Specific restrictions can include, for example, restricting usage ()	

References per subcategory

CIS v8 Critical Security Control 3, 4, ... IEC 62443-2-1:2010, 4.3.3.7.3 IEC 62443-3-3:2013, SR 2.1 ISO/IEC 27001:2022, Clause 8.1, Annex A (see ISO 27002) ISO/IEC 27002:2022, 5.3, 5.15, ...

The 'Details' tab









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MANUAL INPUT (unprotected cells)

										BASI	ic .
Category	Key Measure	Subcategory	Requirement	Guidance	Documentation Score	Implementation Score		Subcategory Implementatio n Maturity Score	Category Documentatio n Maturity Score	Category Implementatio n Maturity Score	Comments and/or additional information
		ID.AM-1: Physical devices and systems within the organization are inventoried	An inventory of assets associated with information and information processing facilities within the organization shall be documented, reviewed, and updated when changes occur.	This inventory includes fixed and portable computers, tablets, mobile phones, Programmable Logic Controllers (PLCs), sensors, actuators, robots, machine tools, firmware, network switches, routers, power supplies, and other networked components or devices. This inventory must include all assets, whether or not they are connected to the organization's network. d.	1	1	1,00	1,00			
Asset Management (ID.AM): The data, personnel, devices, systems, and facilities that enable the organization to achieve business purposes are identified and managed consistent with their relative importance to organizational objectives and the organization's risk strategy.	4	ns and agree ints. e, des. party. and d.		1	1,00	1,00			Your own notes (unprotected cells)		
		ID.AM-3: Organizational communication and data flows are mapped	Information that the organization stores and uses shall be identified.	es or uses. Define "information type" in any useful way that makes sense to your business. You may want to have your employees make a list of all the information they use in their regular activities. List everything you can think of, but you do not need to be too specific. For example, you may keep customer names and email addresses, receipts for raw material, your banking information, or other proprietary information. *Consider mapping this information with the associated assets identified in the inventories of physical devices, systems, software platforms and applications used within the organization (see ID.AM-1 & ID.AM-2).	1	1		UTO alcu rotect	latio	1,00	
		ID.AM-4: External information systems are catalogued	NO REQUIREMENT	Outsourcing of systems, software platforms and applications used within the organization is covered in ID.AM-1 & ID.AM-2.							
		ID.AM-5: Resources (e.g., hardware, devices, data, time, personnel, and software) are prioritized based on their classification, criticality, and business value	The organization's resources (hardware, devices, data, time, personnel, information, and software) shall be prioritized based on their classification, criticality, and business value.	Determine organization's resources (e.g., hardware, devices, data, time, personnel, information, and software): oWhat would happen to my business if these resources were made public, damaged, lost? oWhat would happen to my business when the integrity of resources is no longer guaranteed? oWhat would happen to my business if I/my customers couldn't access these resources? And rank these resources based on their classification, criticality, and business value. -Resources should include enterprise assets.	1	1	1,00	1,00			
				Documentation	Ĵ	L	lm	pleme	ntatio	on	

score



score

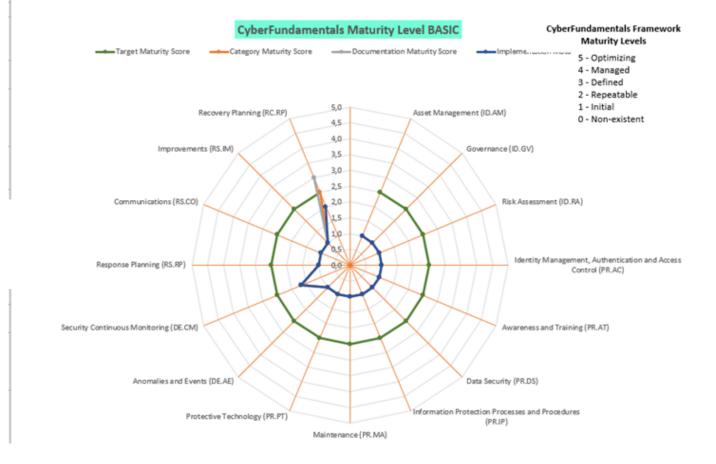
The 'Summary' tab BASIC



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Key Measure Maturity $\geq 2.5/5$ **Total Maturity** $\geq 2,5/5$

	CyberFundamentals Cate		T		aturity Score	Implement Maturity S
			Target N	naturity	1,18	1,11
IDENTIFY	Asset Management (ID.AM) Governance (ID.GV)		Sco	re	1,00 1,00	1,00 1,00
	Risk Assessment (ID.RA)				1,00	1,00
	Identity Management, Authentication and Awareness and Training (PR.AT)	Overall	2,5	50	1,00	1,00 1.00
	Data Security (PR.DS)	· ·			1,00	1,00
PROTECT	Information Protection Processes and Proce		2,50	1,00	1,00	1,00
	Maintenance (PR.MA)		2,50	1,00	1,00	1,00
	Protective Technology (PR.PT)		2,50	1,00	1,00	1,00
DETECT	Anomalies and Events (DE.AE)		2,50	1,00	1,00	1,00
DETECT	Security Continuous Monitoring (DE.CM)		2,50	1,67	1,67	1,67
	Response Planning (RS.RP)		2,50	1,00	1,00	1,00
RESPOND	Communications (RS.CO)		2,50	1,00	1,00	1,00
	Improvements (RS.IM)		2,50	1,00	1,00	1,00
RECOVER	Recovery Planning (RC.RP)		2,50	2,50	3,00	2,00



Total Maturity level	Tool Version 2	
1,14	USE LAST V	'ERSION

Sub Category	Requireme	_	Target KM Maturity Maturity			ition Implementati			
PR.AC-1	Identities and credentials for devices and users shall be ma	Scor	e .	Score				1,00	
PR.AC-3	The organization's networks remotely shall be secured, in multi-factor authentication (2,50			1,00	0		1,00	
PR.AC-4	Access permissions for users organization's systems shall be managed.	e defined and	2,50		1,00	1,00)	1,00	
PR.AC-4	It shall be identified who shou the organization's business's c		2,50		1,00	1,00)	1,00	
PR.AC-4	Employee access to data and in the limited to the systems and information they need to do the principle of Least Privilege).	specific	2,50		1,00	1,00)	1,00	
PR.AC-4	Nobody shall have administrat daily tasks.	tor privileges for	2,50		1,00	1,00		1,00	
PR.AC-5	Firewalls shall be installed and the organization's networks.	activated on all	2,50		1,00	1,00		1,00	
PR.AC-5	Where appropriate, network i organization's critical systems protected by incorporating ne segmentation and segregation	shall be twork	2,50		1,00	1,00)	1,00	
PR.IP-4	Backups for organization's bus data shall be conducted and st system different from the devi	siness critical tored on a	2,50		1,00	1,00		1,00	



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The 'Summary' tab IMPORTANT



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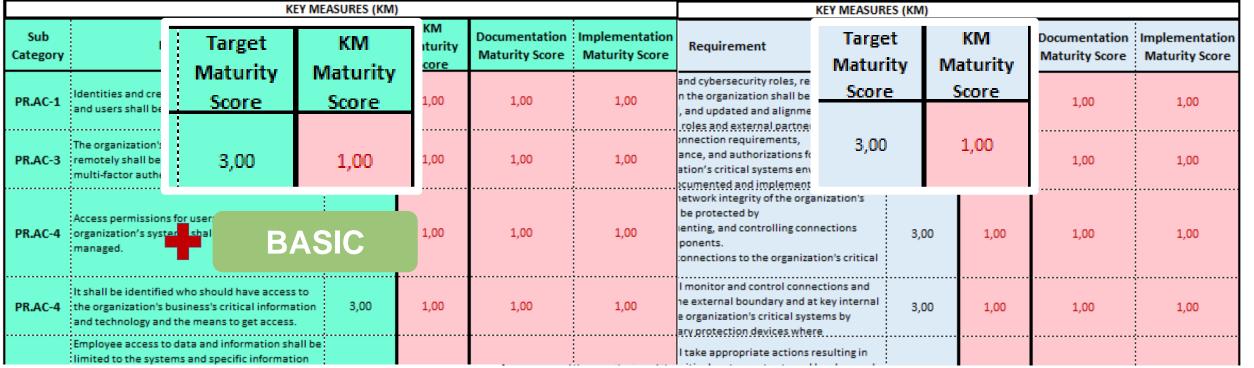
	CyberFundamentals Categories					Documentation	Implementation	
			Target Maturity			Maturity Score	Maturity Score	
			_		_	1,03	1,02	
			Score			1,00	1,00	
						1,00	1,00	
IDENTIFY	Governance (ID.GV)	Overall	3,00			1,00	1,00	
	Risk Assessment (ID.RA)				•	1,00	1,00	
	Risk Management Strategy (ID.RM)		3,00	1,00		1,00	1,00	
IDENTIFY PROTECT DETECT RESPOND	Supply Chain Risk Management (ID.SC)		3,00	1,00		1,00	1,00	
	Identity Management, Authentication and Access Control (F		3,00	1,00		1,00	1,00	
	Awareness and Training (PR.AT)		3,00	1,00		1,00	1,00	
DROTECT	Data Security (PR.DS)		3,00	1,00		1,00	1,00	
PROTECT	Information Protection Processes and Procedures (PR.IP)		3,00	1,00		1,00	1,00	
	Maintenance (PR.MA)	3,00	1,00		1,00	1,00		
	Protective Technology (PR.PT)		3,00	1,00		1,00	1,00	
DETECT	Anomalies and Events (DE.AE)		3,00	1,00		1,00	1,00	
DETECT	Security Continuous Monitoring (DE.CM)		3,00	1,00		1,00	1,00	
	Response Planning (RS.RP)	3,00	1,00		1,00	1,00		
	Communications (RS.CO)		3,00	1,00		1,00	1,00	
Risk Assessment (ID.RA) Risk Management Strategy (ID.RM) Supply Chain Risk Management (ID.SC) Identity Management, Authentication and Access Con Awareness and Training (PR.AT) Data Security (PR.DS) Information Protection Processes and Procedures (PR. Maintenance (PR.MA) Protective Technology (PR.PT) Anomalies and Events (DE.AE) Security Continuous Monitoring (DE.CM) Response Planning (RS.RP) Communications (RS.CO)		3,00	1,63		1,75	1,50		
	Mitigation (RS.MI)		3,00	1,00		1,00	1,00	
	Improvements (RS.IM)		3,00	1,00		1,00	1,00	
	Recovery Planning (RC.RP)		3,00	1,00		1,00	1,00	
RECOVER	Improvements (RC.IM)	3,00	1,00		1,00	1,00		
	Communications (RC.CO)		3,00	1,00		1,00	1,00	

Total Maturity level

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Key Measure Maturity
Total Maturity

≥ 3/5 ≥ 3/5





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Key Measure Maturity ≥ 3/5

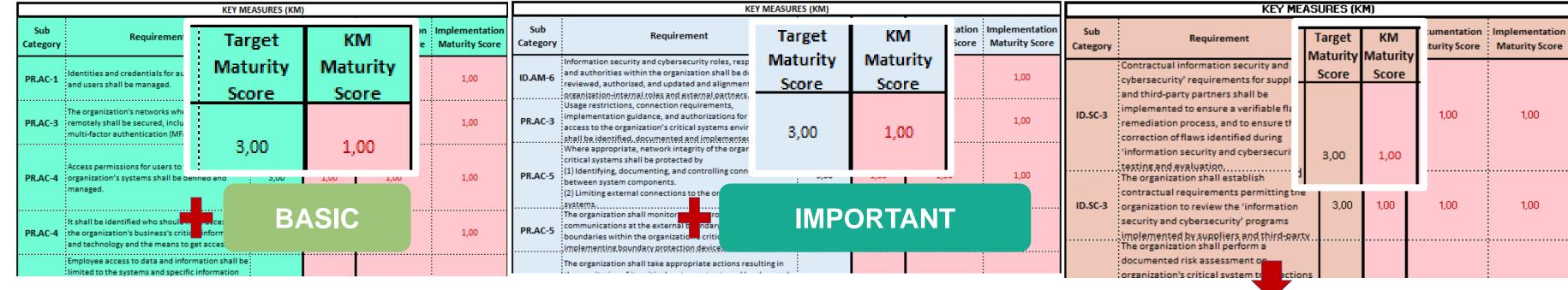
Category Maturity ≥ 3/5

Total Maturity ≥ 3,5/5

	CyberFundamentals Categories			ation	Implementatio	
	-,		Target Maturity	Catego	rv	Maturity Score
	Asset Management (ID.AM)		Score			1,17
	Business Environment (ID.BE)	Overall	2 50	Maturity 9	core	1,00
IDENTIFY	Governance (ID.GV)	Overall	3,50			1,00
IDENTIFY	Risk Assessment (ID.RA)		3,00	1,12		1,00
	Risk Management Strategy (ID.RM)					1,00
	Supply Chain Risk Management (ID.SC)		3,00	1,00		1,00
	Identity Management, Authentication and Access Con		3,00	1,00		1,00
	Awareness and Training (PR.AT)					1,00
PROTECT	Data Security (PR.DS)		3,00	1,00		1,00
	Information Protection Processes and Procedures (PR	.irj	3,00	1,00	1,00	1,00
	Maintenance (PR.MA)		3,00	1,00	1,00	1,00
	Protective Technology (PR.PT)		3,00	1,00	1,00	1,00
	Anomalies and Events (DE.AE)		3,00	1,00	1,00	1,00
DETECT	Security Continuous Monitoring (DE.CM)		3,00	1,00	1,00	1,00
	Detection Processes (DE.DP)		3,00	1,00	1,00	1,00
	Response Planning (RS.RP)	3,00	1,00	1,00	1,00	
	Communications (RS.CO)	3,00	1,00	1,00	1,00	
RESPOND	Analysis (RS.AN)	3,00	1,00	1,00	1,00	
	Mitigation (RS.MI)	3,00	1,00	1,00	1,00	
	Improvements (RS.IM)		3,00	1,00	1,00	1,00
RECOVER	Recovery Planning (RC.RP)		3,00	1,00	1,00	1,00
	Improvements (RC.IM)	3,00	1,00	1,00	1,00	
	Communications (RC.CO)		3,00	1.00	1.00	1,00

Total Maturity level									
1,14									

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Questions - Feedback











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