Introduction

The present document is a checklist that aimed a self-assessing of all the requirements on cybersecurity implementation explained in the Air Traffic Management Cybersecurity Police Template.

The Document is not a mandatory requirement for implementation, but it contains relevant information that will support the development of your own Cybersecurity Policy Manual.

Scope

This document covers the whole aviation functional structure and all aviation stakeholders such as Civil Aviation Authorities, Air Navigation Service Providers and any entity or organization that is part of the State Aviation System to ensure the implementation of cybersecurity procedures and methods in all services under the State oversight such as:

- ✓ Air Traffic Services Units (Aerodrome control tower or aerodrome control TWR, approach control service APP and Area control centre -ACC)
- ✓ Communication, Navigation and Surveillance (CNS) data and infrastructure
- ✓ Digital information systems (aeronautical information, meteorological information and other supporting decision-making information)
- ✓ Systems for aviation interoperability
- ✓ Others according with State services and operations

This document applies to the whole aviation system locations and premises hosting:

- ✓ Information required by Air traffic management (ATM) services
- ✓ Information technology (IT) infrastructure that ATM services rely on
- ✓ Operational technology (OT) and Interconnected Industrial and Automated Controlled Systems (IACS)
- ✓ Extended services and partnership, and related information system interconnections
- ✓ All aviation personnel and external organizations having access to air navigation information, services and facilities







State:	
Point Of Contact (s):	
Please Introduce Name, e-mail and	
telephone number of each person	
designate by the State.	

CYBERSECURITY CHECKLIST

1.	ATM Security Documentation				
		-> ATI		IRITY POLICY TEMPLATE	, CHAPTER 6
			Yes	In Progress %	No
1.1	Have you established an Information Secur	ity policy			
	for your organization?				
1.2	Have you set up ISMS for your organization?				
1.3	Is your ATM documentation:				
	Implemented?				
	And maintained?				
	Based on a risk management approa-	ch?			
	Have you identified and scoped your infra	structure			
	(e.g. as "IT", "OT", and "IACS") so its securit	ty can be			
	appropriately and proportionately managed?	?			
	IT Infrastructure	OT	and IACS	Infrastructure	
	Attach other sheets if necessary, to list of	all IT, <mark>OT a</mark> r	nd IACS inf	rastructure	







	-> ATI	M Cybersecu	IRITY POLICY TEMPLATE	, CHAPTER 7
		Yes	In progress %	No
2.1	Is security addressed in all phases of the system life cycle?			
2.2	Do you have a defined and repeatable risk management procedure (methodology) in place?			
2.3	Are security risks:			
		Yes	In progress %	No
2.4	Have you taken steps to process vulnerability management on systems?			
2.5	Have you identified all ATM assets (data, systems, personnel) and established control procedures for them?			
2.6	Have you empowered the right personnel for making treatment decisions on Security risks?			
2.7	Do you have Information Security Management processes defined? (addressing all security activities)			
2.8	Do you have established technical security measures and operational security measures (policies and processes)?			
	The intention of this is to reduce risk to an acceptable level regarding to human error, Accident or incident, Impact from natural disaster and others.			
2.9	Do you have identified interfaces to ensure efficient and coordinated treatment of security risk about ATM security?			
2.10	Have you established a risk management process covering ATM information security risks, with regular review and monitoring?			
3. 9	Security Governance and Organization	M Cypensec	IRITY POLICY TEMPLATE	CHAPTED 9
	->AII	Yes	In progress %	No No
3.1	Have you established an appropriate authority for ATM security management at a Unit level?			







		T	1	
3.2	Have you established roles and responsibilities within			
	ATM security risk management?			
3.3	Have you implemented defined processes for threat			
	intelligence and monitoring			
3.4	Have you implemented defined processes for			
	incident and crisis management?			
4. H	uman Resources (Security measures during all emp		•	
	-> AT	M Cybersecui	RITY POLICY TEMPLAT	CHAPTER 9
		Yes	In progress %	No
4.1	Before employment: do you use measures such as			
	background checks in accordance with local			
	regulations?			
4.2	During employment: do you develop a security			
	culture through regular training and raising			
	awareness?			
4.3	After employment: do you protect yourself by			
	ensuring the de-provisioning process for access, and			
	by reminding staff of nondisclosure commitments			
	(where allowed by law)?			
4.4	Do you have procedures to assign and limit staff			
	access according to their responsibilities?			
5. A	sset Management			
		1 Cybersecuri	TY POLICY TEMPLATE,	CHAPTER 10
		Yes	In progress %	No
5.1	Have you taken an inventory of ATM assets and kept			
	it up to date?			
5.2	Does the inventory include criticality evaluation			
	(regarding safety and operability) for each asset?			
5.3	Have you considered logical and physical access, and			
	made sure there is consistency between them?			
		Yes	In progress %	No
5.4	Is all ATM data considered and classified, and			
	protected to an adequate level?			
5.5	Do you have procedures to ensure that all ATM data			
	will be protected during storage, processing and			
	exchange, in line with its sensitivity profile?			
6. A	ccess Control	1	ı	1
J. 7.		1 Cybersecuri	TY POLICY TEMPLATE,	CHAPTER 11
		Yes	In progress %	No
6.1	Is all access to ATM assets through a suitable access			
	1	l	1	







	verification process, to avoid unacceptable risk?			
6.2	Do you have controls covering physical and logical			
	access to systems?			
7.	Physical and Environmental Security of CNS/ATM Co	-		
	-> ATN		TY POLICY TEMPLATE,	
		Yes	In progress %	No
7.1	Have you ensured that ATM physical security			
	safeguards IT, OT, IACS and CNS/ATM infrastructure			
	against unlawful interference and unauthorized access?			
7.2	Have you ensured that ATM physical security			
	identifies zones hosting CNS/ATM assets according to			
	their criticality (from safety and operability perspectives)?			
7.3	Have you implemented ATM physical security			
	measures to protect all CNS/ATM from unlawful or			
	intentional interruption of services and operations?			
7.4	Have you implemented ATM physical security to			
	protect incoming and outgoing information flows			
	between storage zones and data centres?			
8.	Operations Security			
	-> ATN		TY POLICY TEMPLATE,	
		Yes	In progress %	No
8.1	Have you established trust zones?			
8.2	Have you established procedures to ensure ATM			
	cybersecurity coordination of security operations,			
	monitoring and continuous improvement of			
	information processing?			
8.3	Have you ensured that ATM cybersecurity operations			
	include IT, OT, IACS and CNS/ATMs infrastructure in			
	the scope of security operations?			
8.4	Have you implemented ATM cybersecurity operations			
	to maintain the effectiveness of security measures			
	throughout their lifecycle?			
8.5	Have you established a security perimeter through			
	ATM cybersecurity zones for physical and logical			
	zones?			••
		Yes	In progress %	No
		163	In progress %	110
8.6	Do you have procedures to prevent the exploitation of technical vulnerabilities on IT, OT, IACS and	163	iii progress //	140







	CNS/ATM infrastructure?			
8.7	Do you have security controls around the use of			
	personal mobile devices for CNS/ATM activities (e.g.			
	is their use forbidden)?			
8.8	Do you take steps to ensure that personal mobile			
	devices do not represent a risk for the security of			
	CNS/ATM activities (e.g. plugging in a personal device			
	to operational equipment to charge)?			
9. C	ommunications Security			
	•	l Cybersecurit	Y POLICY TEMPLATE,	CHAPTER 14
		Yes	In progress %	No
9.1	Do you collect and maintain an up-to-date mapping			
	of networks and their interconnections?			
9.2	Do you ensure ATM networks are logically or			
	physically segregated based on their criticality			
	regarding safety and operability?			
9.3	Do you take steps to ensure that wireless			
	technologies and access to the Internet do not			
	constitute an unacceptable risk to safety and			
	security?			
10. Sy	stem Acquisition, Development and Maintenance			
	-> ATIV	1 CYBERSECURIT	Y POLICY TEMPLATE,	CHAPTER 15
		Yes	In progress %	No
10.1	Is information security is an integral part of your			
	management of CNS/ATM information systems			
	throughout the entire lifecycle?			
10.2	Do you ensure that your CNS/ATM information			
	systems are designed based on the following			
	principles:			
	 No single, nor common point of vulnerability? 			
	 Defined and verified use of security coding 			
	rules?			
	 Vulnerability management on COTS software 			
	and hardware?			
	 The use of appropriate industry standards 			
	The use of appropriate industry standards			
	and recommendations (e.g. NIST, OWASP,			
	· · · · · · · · · · · · · · · · · · ·			







11. Suppliers and Partners Relationships			
>A	Yes	In progress %	No CHAPTER 16
11.1 Do you evaluate the security maturity of supplier		III progress /0	140
and partners prior to contract?			
Does your risk management process also address ris on suppliers?	sk		
12. Security Incident Management			ı
>A	TM CYBERSECUE Yes	In progress %	CHAPTER 17
12.1 Do you have communication procedure an		III progress 70	140
communication lists in case of security incident of weakness identification?	-		
13. Security Aspects of Business Continuity Managem -> A		I RITY POLICY TEMPLATE	, CHAPTER 18
	Yes	In progress %	No
Do you have defined interfaces between ATM business continuity and risk management processes?			
Do you perform crisis management exercise and test based on ATM security case?.	st		
14. Protection of Personal Data			
_> A	I IVI CYBERSECUE	RITY POLICY TEMPLATE	CHAPTER 19
	Vec	In progress %	No
	Yes	In progress %	No
14.1 Do you have defined interface between DPO an		In progress %	No
		In progress %	No
Do you have defined interface between DPO an ATM security process? 15. Compliance	d	In progress %	
Do you have defined interface between DPO an ATM security process? 15. Compliance	d		
Do you have defined interface between DPO an ATM security process? 15. Compliance	TM Cybersecur	RITY POLICY TEMPLATE	CHAPTER 20