COMPREHENSIVE SECURITY TEST[1] No 16

BACKGROUND INFORMATION[2]:	
Related reform	3.5 Reconfiguration of basic digital services and safe transition to cloud infrastructure
Target name	58. Central security testing of public authorities' information systems
Target description	Number of comprehensive security tests carried out by the Information System Authority – the test results shall be summarised in reports.
The test was financed by the European Union from the NextGenerationEU Recovery Fund.	

PENETRATION TESTING INFORMATION:	
Date / period of testing	17.07.2024 – 30.10.2024
Objective of the Penetration Testing	Detect vulnerabilities in existing web application using OWASP framework.
Approach, Scope and Caveats	Approach: Gray box testing with access to software documentation. Scope: OWASP ASVS 4.0.3 level 2
Penetration Testing Team	
Organisation	
Penetration Testing Tools Used	
Summary of the penetration test performed	3 configuration flaws with high impact. 4 input validation flaws with high impact. 1 session management flaw with high impact. 1 error handling flaw with medium impact. 1 configuration flaw with medium impact.
Summary of Penetration Testing Findings according to CVSS 3.1	8 findings with high impact 2 finding with medium impact
Prioritized Vulnerabilities Findings	Please see annex 1
Risk and Impact Ranked Findings	Please see annex 1
Follow-up activities	Report handed over to Fixing activities are pending.
Annex No and name (if relevant)	Annex 1 – Findings and Impact

Comprehensive security test – penetration test
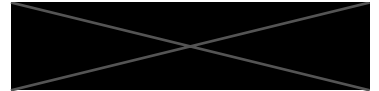
Annex 1 – Findings and Impact

CWE ID	Section	Confidentiality Impact	Integrity Impact	Accessibility Impact	CVSS 3.1 Score
200	Configuration	High	None	None	8.6 High (Temporal metrics) Calculation
502	Input Validation	High	High	High	9.0 Critical Calculation
326	Cryptography at Rest	High	None	None	7.6 High (Temporal metrics) Calculation
210	Error Handling	Low	None	None	4.1 Medium Environ Calculation
79	Input Validation	High	High	None	9.3 Critical (Temporal metrics) Calculation
79	Input Validation	High	High	None	9.3 Critical (Temporal metrics) Calculation
79	Input Validation	High	High	None	9.3 Critical (Temporal metrics) Calculation
614, 1004	Session Management	High	High	None	8.9 High (Temporal metrics) Calculation
-	Configuration	None	None	Medium	5.8 Medium Env Calculation
1026	Configuration	Medium	Medium	Medium	7.0 High Env Calculation

Comprehensive security test – penetration test