

Information Security Report

Ref. 2024/2025



Information security is a topic of great relevance for Cemig, as in an increasingly connected world, controlling and protecting the Company's data network becomes essential. Good management of technological resources and ensuring security are fundamental to mitigate risks related to the leakage and misuse of personal data, as well as to prevent unauthorized access to confidential and strategic information. With this objective, Cemig has been continuously investing in its Information Technology (IT) infrastructure, seeking to strengthen the governance and management of IT services, as well as information security.

The topic of governance and information security is managed in the company by the Vice Presidency of Information Technology (VPI), which has a management team dedicated exclusively to the cybersecurity process.

The board of directors is advised by the Vice Presidency of Information Technology, which provides monthly reports presenting relevant security actions and the status of implementation. As it is one of the top risks for the Company, this is also monitored by the Risk Committee within the scope of the Board of Directors..

Cemig has an Information Security and Cybersecurity Policy that includes guidelines and principles related to the topic. This policy defines the guidelines, responsibilities, and objectives established to ensure the protection requirements of the Company's information and cyber environment. It can be accessed through the company's website at www.cemig.com.br/politica-de-seguranca-da-informacao-e-seguranca-cibernetica/.

C2M2 –Cybersecurity Capability Maturity Model

Cemig has adopted the C2M2 (Cybersecurity Capability Maturity Model) framework to drive the continuous improvement of its Cybersecurity and Information Security maturity. This initiative also supports alignment with [business continuity plans](#), encompassing architectural solutions, infrastructure, access management, and incident response and management.

The C2M2 is a tool developed by the U.S. Department of Energy to help organizations evaluate and improve their cybersecurity capabilities. It focuses on both information technology (IT) and operations technology (OT) assets and environments.

Domains: The C2M2 framework is divided into ten domains, each representing a key area of cybersecurity practice:

Our company has achieved **Level 2** in the C2M2 framework, indicating that our cybersecurity practices are managed and consistently applied. This achievement demonstrates our commitment to maintaining a robust cybersecurity posture and protecting our assets and operations.

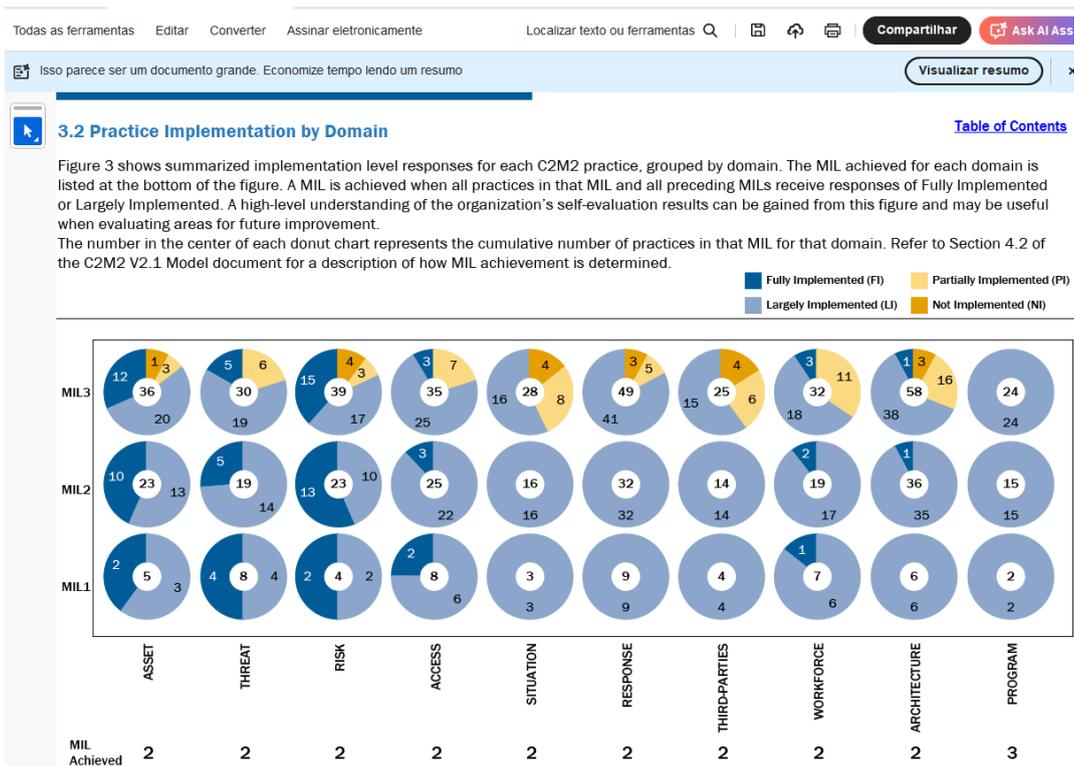


Figure 1 : Screen of the C2M2 (Cybersecurity Capability Maturity Model) framework to drive the continuous improvement of its Cybersecurity and Information Security maturity. This initiative also supports alignment with **business continuity plans**

Cemig outsources data center infrastructure, managed services, and security operations with TIVIT. TIVIT has a continuity plan and tests it periodically, so much so that it is certified by the international standard ISO 22.301/2019, as per the certificate below.



Figure 2: Certificate of the ISO 22301/2019 – Business Continuity Management System

Vulnerability analysis

Vulnerability management process:

Cemig has advanced software solutions for vulnerability management and configuration compliance. These tools perform analysis and scanning of assets, web applications, and configuration auditing to ensure robust adherence to cybersecurity best practices and guidelines to eliminate and mitigate information security-related vulnerabilities.

Intrusion tests

With the aim of simulating a cyber-attack and assessing the security of systems and the network, we conduct intrusion tests by an independent external company to evaluate the resilience of the systems against a malicious source attack. The independent company performs an attack simulation to identify vulnerabilities in a system or application. This allows for the identification of possible improvement points and the establishment of preventive actions.

Cyber threat Intelligence

Additionally, complementing the vulnerability management process, we monitor the external environment for threat detection through the Cyber Threat Intelligence process. This involves research and monitoring to identify threats such as fake domains, brand abuse, activities on the deep and dark web, credential leaks, fraud, fake applications, and code leaks. The goal is to detect data leaks, fraud, and other threats.

Internal audits of the IT infrastructure and/or information security management systems

Cemig has an Internal Audit team that periodically conducts audits covering the IT infrastructure. Regarding information security management systems, the associated risks are addressed through controls evaluated within the ISAE 3402 assurance reports issued by service providers as showed in the screens below.



Figure 3: Executive Summary of the Internal Audit Result in the information security management systems. 10/02/2024

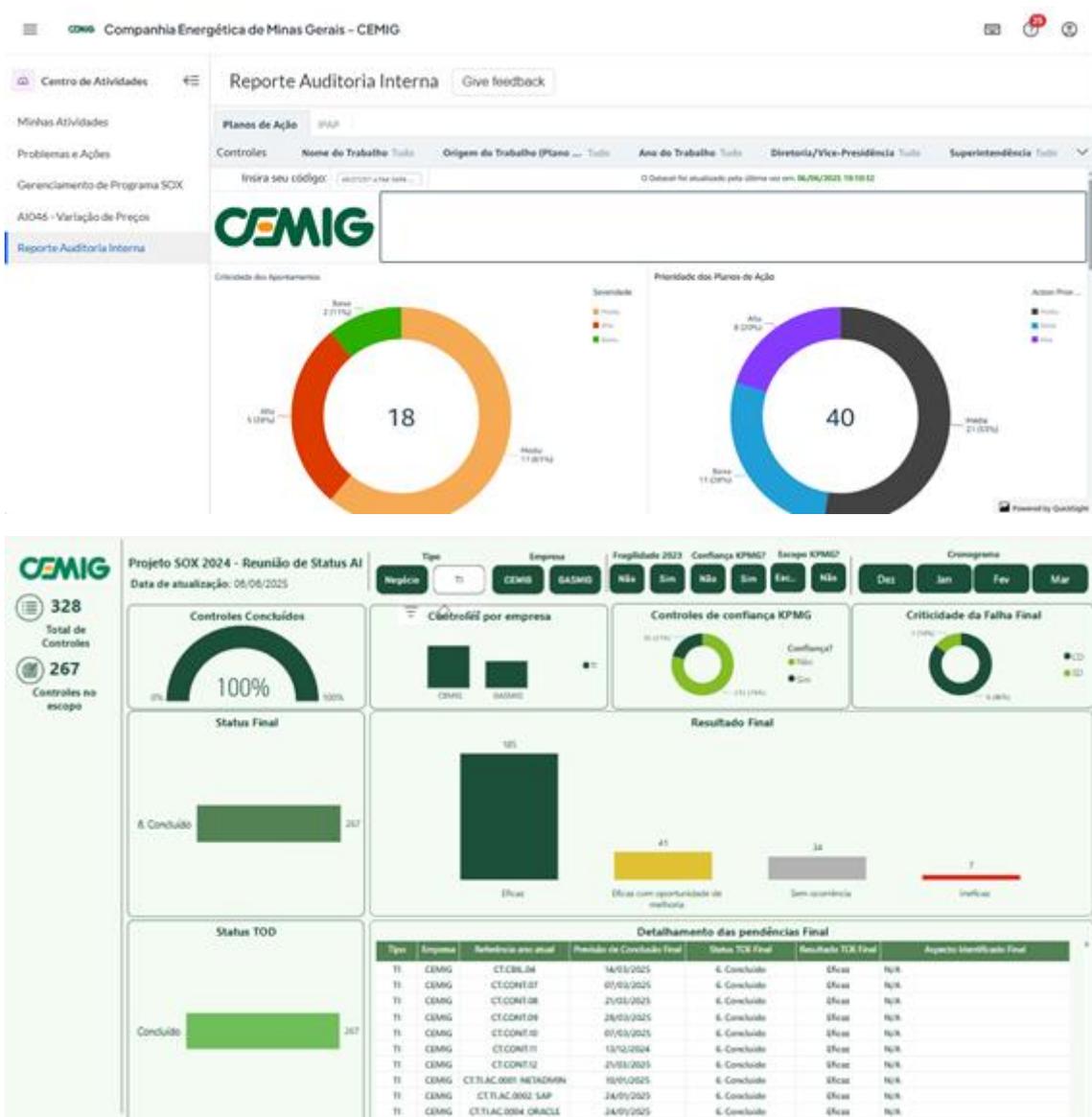


Figure 4: Internal Audit Report related to information security management systems

□ Independent external audit of the IT infrastructure and/or information security management systems: please provide the names and standards used (such as ISO 27001)

Cemig has an external auditor (KPMG) that periodically assesses the company’s IT general controls (ITGC), covering both infrastructure and information security aspects. Additionally, since Cemig outsources data center infrastructure, managed services, and security operations, the respective providers deliver **ISAE 3402** reports and hold certifications such as **ISO 27001**, **TIER III**, **CMMI**, and **PCI DSS**, ensuring compliance with international standards for security, quality, and governance.



Figure 5: KPMG Assurance Report of control and process of Information Technology



CERTIFICADO

Certifica-se que a empresa

TIVIT TERCEIRIZAÇÃO DE PROCESSOS, SERVIÇOS E TECNOLOGIA S.A.

Av. das Nações Unidas, 8501 - 9º andar - Pinheiros
05425-110 São Paulo
Brasil

com as unidades relacionadas no anexo

implementou e mantém um **Business Continuity Management System**.

Âmbito de aplicação:
Serviços de Tecnologia da Informação, Consultoria e Gestão de Clientes com atuação em: Nuvem Pública e Privada; Nuvem Pública, Nuvem Privada, Serviços Gerenciados de Nuvem, Serviços Profissionais, Recuperação de Desastres e proteção de dados, Armazenamento como Serviço, Licenciamento; Soluções SAP: Adoção, Gestão, Operação, Suporte, Qualidade.

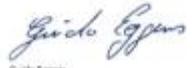
Através de uma auditoria, documentada em um relatório, foi comprovado que esse Sistema de gestão cumpre os requisitos da seguinte norma:

ISO 22301 : 2019

Número do certificado	432397 BCM19
Data da revisão	2024-09-02
Válido a partir de	2022-10-28
Válido até	2025-10-27
Data da certificação	2022-09-30



DQS CFS GmbH
German Association for Sustainability



Guido Eggers
Diretor Executiva



Accredited Body: DQS CFS GmbH, August-Schauer-Strasse 21, 60433 Frankfurt am Main, Germany
The validity of the certification can only be verified by the QR-code.

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Figure 5: KPMG Assurance Report of control and process of Information Tecnology (TIVIT – our datacenter)

CERTIFICADO

Certifica que a empresa

TIVIT TERCEIRIZAÇÃO DE PROCESSOS, SERVIÇOS E TECNOLOGIA S.A

TIVIT Av. das Nações Unidas, 8501 - 9ª andar - Pinheiros
05423-110 São Paulo, SP
Brasil

com as unidades relacionadas no anexo
implementou e mantém um **Sistema de Gestão da Segurança da Informação**.

Escopo:
Serviços de Tecnologia da Informação, Consultoria e Gestão de Clientes com atuação em:
Nuvem Pública e Privada: Nuvem Pública, Nuvem Privada, Serviços Gerenciados de Nuvem,
Serviços Profissionais, Recuperação de Desastres e proteção de dados, Armazenamento como
Serviço, licenciamento: Cibersegurança: Governança, Risco e Conformidade, Gerenciamento de
Ameaças e Vulnerabilidades, Gerenciamento de Identidade e Acesso, CyberLabs, Detecção e
Resposta Gerenciadas, Centro de Segurança, Serviços da Equipe Vermelha, Serviços de
Segurança Gerenciados.
Techfin: Serviços de pagamentos através de APIs, PIX cash in - Cobrança (cobv) e Varejo (cob),
PIX cash out, Abertura e gestão de Conta de Pagamentos, Abertura de contas via API
transferência bancárias, Boletos com registro instantâneo; Split de pagamentos; Webhook de
Pagamentos e Repasses em conta, APIs de consultas, Hub Payments, Consulta de boletos
registrados e Conta Digital.

Declaração de Aplicabilidade: 31. SEG DOC 001 007. Data 19.06.24.

Através de uma auditoria, documentada em um relatório, foi comprovado
que o sistema de gestão cumpre os requisitos da seguinte norma:

ISO / IEC 27001 : 2022

Número do certificado	432397 ISMS22
Válido a partir de	2024-10-30
Válido até	2027-09-19
Data da certificação	2024-10-30

DQS GmbH

Christian Gering

Christian Gering
Director Executive

Accredited Body: DQS GmbH, August-Scharno Straße 21, 69433 Frankfurt am Main, Germany
Administrative Office: DQS do Brasil Ltda., Av. Adolfo Pinheiro, 1001 - 3ª andar,
04733-100 São Paulo - SP, Brazil
The validity of the certification can only be verified by the QR code.

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Figure 6: ISO 27001 Certified provide byKPMG Assurance Report of control and process of Information Tecnology DQS Audit Company (TIVIT)

Figure 5: KPMG Assurance Report of control and process of Information Tecnology

Escalation process for employees to report incidents, vulnerabilities or suspicious activities

Monitoring and Incident Response:

Cemig conducts continuous monitoring of its IT environment through a specialized team at the SOC (Security Operation Center), responsible for monitoring, detecting, investigating, and responding to threats. This team, along with members of the Cybersecurity and Information Management department, forms the CSIRT (Computer Security Incident Response Team). They work together to respond to incidents, perform analyses, and develop preventive actions to ensure the confidentiality, availability, and integrity of services.

Cemig periodically issues communications about cyber risks and encourages employees to report suspected phishing attempts or any security incident.

Any employee can directly register a request through a service ticket in ITSM software, or inquiries directed to the Cybersecurity and Information Security teams. The response team will investigate, analyze, and conduct appropriate treatment.

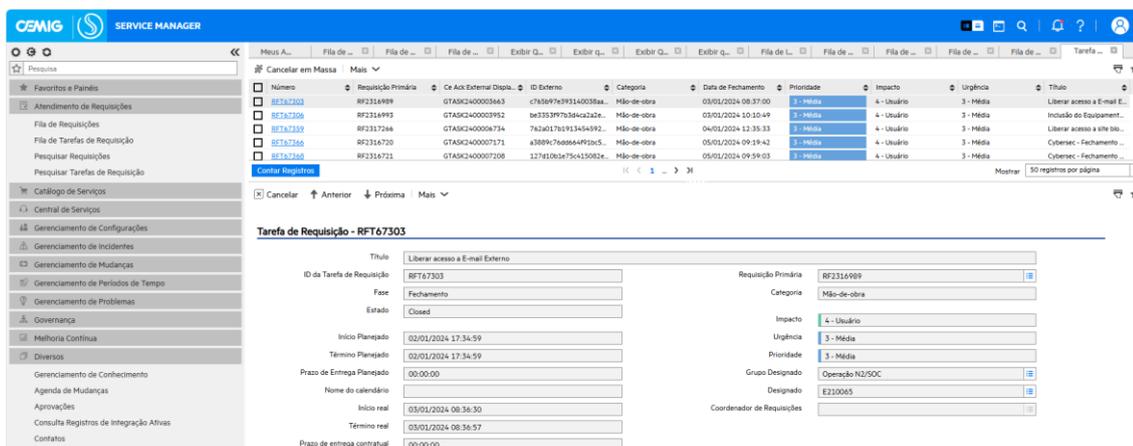


Figure 7: Example of escalation process for employees to report incidents

Information security awareness training

Security Awareness and Training Platform

Cemig has implemented a security awareness platform. The platform increases employees' resilience to phishing attacks through simulations of real threats. Beyond the phishing simulations, there is educational and training content that promotes a cybersecurity culture throughout the company.



Figure 8: Corporate University training courses. The screen shows the following training: Cyber Security Awareness

Essentials, Cyber Security Awareness Certified Professional among others

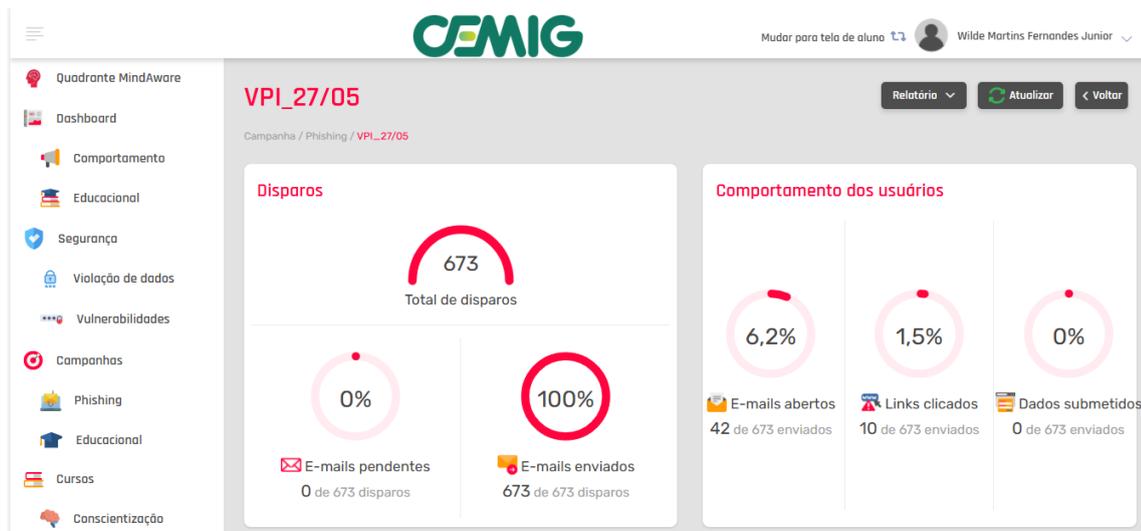


Figure 9: Screen of the system with to phishing attacks through simulations of real threats



Figure 10: Intranet screen – “take Care with fishing”

As a result of our practices no breaches occurred in last year.