

## **DanDomain A/S**

### **ISAE 3402 type 2 Service Auditor's Report on general IT controls related to hosting services**

Throughout the period from 01.01.2023 to 31.12.2023

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# **1 Independent Service Auditor's Report**

## **Independent Service Auditor's Assurance Report on the Description of Controls, their Design, and Operating Effectiveness**

To: the management at DanDomain A/S, DanDomain A/S' customers and their auditors

### **Scope**

We have been engaged to report on DanDomain A/S's (hereinafter "DanDomain A/S") description in section 3 "DanDomain A/S's Description" of selected general IT controls related to the supplied hosting services throughout the period from 01.01.2023 to 31.12.2023 (the description), and on the design and operation of controls related to the control objectives stated in the description.

This auditor's report covers selected common general IT controls that are performed by DanDomain A/S in the delivery of the agreed upon hosting services. Any specific agreements between clients and DanDomain A/S that exceed the standard services delivered are not covered in this auditor's report.

DanDomain A/S's system description does not include control objectives and associated controls at the sub-service organisations. DanDomain A/S uses the following sub-suppliers to deliver physical and environmental security of production environments and storage of backup.

- Fuzion A/S:
  - Housing
  - Physical and environmental security of production environment
- GlobalConnect A/S:
  - Housing
  - Physical and environmental security of production environment
- Cibicom A/S:
  - Housing
  - Physical and environmental security of production environment
  - Storage of backup.
- B4Restore A/S:
  - Housing
  - Backup

Additionally, DanDomain A/S uses an EDR/XDR subservice provider for cloud storage and reporting logic for a subset of logging and monitoring on critical platforms.

This report is prepared using the carve-out method, and our testing does not include controls that are carried out by the subservice organisation.

Some of the control objectives noted in DanDomain A/S's description of its system can only be achieved if the complementary controls at the user organisations are suitably designed and operating effectively together with the controls at DanDomain A/S. The opinion does not include the suitability of the design and operating effectiveness of these complementary controls.

### **DanDomain A/S's Responsibilities**

DanDomain A/S is responsible for: preparing the description and accompanying assertion in section 2, "Service Organisation's assertion", including the completeness, accuracy, and method of presentation of the description and assertion; providing the services covered by the description; stating the control objectives; and designing, implementing and effectively operating controls to achieve the stated control objectives.

## **Service Auditor's Independence and Quality Control**

We have complied with the requirements for independence and other ethical requirements in the IESBA's Code of Ethics for Professional Accountants, which is based on the fundamental principles of integrity, objectivity, professional competence and due care, confidentiality, and professional conduct.

Deloitte Statsautoriseret Revisionspartnerselskab applies International Standard on Quality Management 1, ISQM1, which requires the firm to design, implement and operate a system of quality management, including policies or procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

## **Service Auditor's Responsibilities**

Our responsibility is to express an opinion on DanDomain A/S's description and on the design and operation of controls related to the control objectives stated in that description, based on our procedures.

We conducted our engagement in accordance with International Standard on Assurance Engagements 3402, *"Assurance Reports on Controls at a Service Organisation,"* issued by the International Auditing and Assurance Standards Board. That standard requires that we comply with ethical requirements and plan and perform our procedures to obtain reasonable assurance about whether, in all material respects, the description is fairly presented, and the controls are suitably designed and operating effectively.

An assurance engagement to report on the description, design, and operating effectiveness of controls at a service organisation involves performing procedures to obtain evidence about the disclosures in the service organisation's description of its system, and the design and operating effectiveness of controls. The procedures selected depend on the service auditor's judgment, including the assessment of the risks that the description is not fairly presented, and that controls are not suitably designed or operating effectively. Our procedures included testing the operating effectiveness of those controls that we consider necessary to provide reasonable assurance that the control objectives stated in the description were achieved. An assurance engagement of this type also includes evaluating the overall presentation of the description, the suitability of the objectives stated therein, and the suitability of the criteria specified by the service organisation and described in section 2, "Service Organisation's assertion".

We believe that the evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

## **Limitations of Controls at a Service Organisation**

DanDomain A/S's description is prepared to meet the common needs of a broad range of customers and their auditors and may not, therefore, include every aspect of the system that each individual customer may consider important in its own particular environment. Also, because of their nature, controls at a service organisation may not prevent or detect all errors or omissions in processing or reporting transactions. Also, the projection of any evaluation of effectiveness to future periods is subject to the risk that controls at a service organisation may become inadequate or fail.

## **Opinion**

Our opinion has been formed on the basis of the matters outlined in this report. The criteria we used in forming our opinion are those described in section 2. In our opinion, in all material respects:

- (a) The description fairly presents the selected general IT controls related to the hosting services provided by DanDomain A/S as designed and implemented throughout the period from 01.01.2023 to 31.12.2023;
- (b) The controls related to the control objectives stated in the description were suitably designed throughout the period from 01.01.2023 to 31.12.2023; and
- (c) The controls tested, which were those necessary to provide reasonable assurance that the control objectives stated in the description were achieved, operated effectively throughout the period from 01.01.2023 to 31.12.2023.

### **Description of Tests of Controls**

The specific controls tested, and the nature, timing, and results of those tests are listed in section 4.

### **Intended Users and Purpose**

This report and the description of tests of controls in section 4 are intended only for customers who have used DanDomain A/S's standard hosting services, and their auditors, who have a sufficient understanding to consider it along with other information, including information about controls operated by customers themselves, when assessing the risks of material misstatements of customers' financial statements.

Aarhus, 13 February 2024

### **Deloitte**

Statsautoriseret Revisionspartnerselskab  
CVR-nr. 33 96 35 56



Nelli Andersen  
State-authorized public accountant



Michael Bagger  
Partner, CISA

## 2 Service Organisation's Assertion

The accompanying description has been prepared for customers who have used the hosting services provided by DanDomain A/S and their auditors, who have a sufficient understanding to consider the description along with other information, including information about controls operated by the customers themselves, when assessing the risks of material misstatements of customers' financial statements.

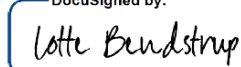
DanDomain A/S confirms that:

- a) The accompanying description in section 3 fairly presents the selected general IT controls related to the supplied hosting services provided by DanDomain A/S throughout the period from 01.01.2023 to 31.12.2023. The criteria used in making this assertion were that the accompanying description:
  - i. Presents how the system was designed and implemented, including:
    - The types of services provided, including, as appropriate, classes of transactions processed.
    - The procedures, within both information technology and manual systems, by which those transactions were initiated, recorded, processed, corrected as necessary, and transferred to the reports prepared for customers.
    - The related accounting records, supporting information and specific accounts that were used to initiate, record, process, and report transactions; this includes the correction of incorrect information and how information was transferred to the reports prepared for customers.
    - How the system dealt with significant events and conditions, other than transactions.
    - The process used to prepare reports for customers.
    - Relevant control objectives and controls designed to achieve those objectives.
    - Controls that we assumed, in the design of the system, would be implemented by user entities, and which, if necessary to achieve the control objectives stated in the accompanying description, are identified in the description along with the specific control objectives that cannot be achieved by ourselves alone.
    - Other aspects of our control environment, risk assessment process, information system (including the related business processes) and communication, control activities, and monitoring controls that were relevant to processing and reporting customers' transactions.
  - ii. Includes relevant details of changes to the service organisation's system during the period from 01.01.2023 to 31.12.2023.
  - iii. Does not omit or distort information relevant to the scope of the system being described, while acknowledging that the description is prepared to meet the common needs of a broad range of customers and their auditors and may not, therefore, include every aspect of the system that each individual customer may consider important in its own particular environment.
- b) The controls related to the control objectives stated in the accompanying description were suitably designed and operated effectively throughout the period from 01.01.2023 to 31.12.2023. The criteria used in making this assertion were that:
  - i. The risks that threatened achievement of the control objectives stated in the description were identified;
  - ii. The identified controls would, if operated as described, provide reasonable assurance that those risks did not prevent the stated control objectives from being achieved; and

- iii. The controls were consistently applied as designed, including that manual controls were applied by individuals who have the appropriate competence and authority, throughout the period from 01.01.2023 to 31.12.2023.

Skanderborg, 13 February 2024

DanDomain A/S

DocuSigned by:  
  
4D66556C96C641D...  
Lotte Bendstrup  
MD

### **3 DanDomain A/S's Description**

#### **3.1 Service provider system description**

##### **Introduction**

This description is designed to provide information for the use of DanDomain A/S' clients and their auditors and to meet the requirements of audit standard ISAE 3402, "Assurance Reports on Controls at a Service Organisation".

The description is also prepared with the aim of providing information on the controls used in relation to the provision of hosting services and IT operating services provided by DanDomain A/S.

##### **Description of DanDomain A/S's services**

DanDomain A/S develops, manages and delivers a range of professional hosting and cloud solutions for a wide range of companies and organisations in Denmark.

The scope of this audit statement covers the following services:

- Hosted Navision
- Hosted Desktop (Citrix)
- Hosted Exchange
- Mailhotel
- Webhotel
- Hosted Webshop
- Hosted CMS
- OnPay
- DNS Hotel and DNS servers' hosting domains
- Hosted Spam filter
- Veeam Backup.

Services not specifically mentioned above are not covered, but the infrastructure components (network, storage, management, operating systems) supporting the services are covered.

For the following products, only the infrastructure components (network, storage, management, hypervisor) are covered:

- Cloud Resource Pool (CRP)
- Virtual Data Center (VDC)
- Cloud Server
- VPS Hosting

Microsoft Office 365 and Azure services are also not covered.

#### **3.2 DanDomain A/S's organisation and security**

DanDomain A/S operates an ISO 27001-certified Information Management System. Information Security is governed by the Security Board, which sets the overall objectives of the ISMS. The Security Board is composed of the following members:

- MD, Lotte Bendstrup
- CTO, Ole P. Jensen
- Group CISO, Jakob Flink Schwartz
- General Counsel, Lasse Lindberg Mortensen
- Group Privacy Counsel, Josefine Høgh Pedersen
- Head of Information Security, Jonas Beier Jørgensen.

The Head of Information Security refers to the MD.



The group meets quarterly and on an ad hoc basis to set and follow up on IT security objectives and risks.

### **Risk management at DanDomain A/S**

Risk management is implemented in DanDomain A/S as an integral part of DanDomain A/S's processes. A risk register is continuously maintained throughout the year, containing the most significant risks to DanDomain A/S's operation of services. Risk treatment plans are defined and tracked for risks that fall outside our risk acceptance criteria. The risk register is reviewed at least annually and approved by the Security Board.

### **3.3 Control framework, control structure and control implementation criteria**

DanDomain A/S's IT security policy established processes and controls include all systems and services offered to customers. The continued work on adapting and improving DanDomain A/S's security measures is ongoing in cooperation with highly qualified specialists.

The criteria and scope of the control implementation at DanDomain A/S were established in 2020 on the basis of the ISO 27001 and ISO 27002 standards. Based on this control framework, relevant control areas and control activities are implemented on the services provided by DanDomain A/S.

The following essential control areas shall be included in the overall control environment:

- Information Security Policies (A.5.1)
- User Access Management (A.9.2)
- System and application access control (A.9.4)
- Operational procedures and responsibilities (A.12.1)
- Backup (A.12.3)
- Logging and monitoring (A.12.4)
- Technical vulnerability management (A.12.6)
- Supplier service delivery management (A.15.2)
- Information security aspects of business continuity management (A.17.1)

### **3.4 Established control environment**

Each area is described in detail in the following sections.

#### **Information security (A.5.1)**

##### *Objective*

A management-approved information security policy is based on an IT risk analysis and is communicated to relevant employees in the company.

##### *Procedures and controls used*

DanDomain A/S identifies relevant IT risks on established services to customers. This is done through an ongoing risk assessment at DanDomain A/S. The risk assessment is approved annually by the Security Board.

Information security policy is available for all employees and communicated to all employees at least annually. Other material changes are communicated on an ad hoc basis.

##### *Timing of the control*

The IT risk analysis and IT security policy are reviewed at least annually. Information security policy is communicated annually.

##### *Who performs the control?*

The risk assessment and the annual review of policies are approved by the Security Board.

#### *Control documentation*

Information Security policy and risk assessment are versioned, and Security Board has approved. Minutes of Security Board meetings are kept.

### **User Access Management (A.9.2)**

#### *Objective*

To ensure authorised user access and to prevent unauthorised access to systems and services.

#### *Procedures and controls used*

A formal process ensures new users are provisioned based on managers approval. Access rights are based on access profiles related to their job function.

A formal process ensures that users access rights are revoked, and users are disabled or de-registered on termination of employment or contract.

Privileged access rights are given on a need-to-use basis based on their functional roles.

A 6-month review of users ensures that any inactive users or users without work-related need for the privileges are removed.

#### *Timing of the control*

The user creation check occurs whenever DanDomain A/S has a new employee. User de-registration is done when an employee is leaving DanDomain A/S. Checks on inactive users and users with administrative rights are carried out quarterly.

#### *Who performs the control?*

The operations department of DanDomain A/S is responsible for compliance with the access procedures.

#### *Control documentation*

Documentation on registration, de-registration and reviews of users are kept in DanDomain A/S's internal ticketing system.

### **System and application access control (A.9.4)**

#### *Objective*

To prevent unauthorised access to systems and applications.

#### *Procedures and controls used*

Access to DanDomain A/S's assets happens through a secure logon process. Users are stored in a central user database. Password requirements and lock-out procedures are handled by internal Windows Active Directory. Password and lock-out settings are based on DanDomain A/S's risk assessment.

All access from external or untrusted networks requires MFA.

#### *Timing of the control*

User verification happens at logon.

#### *Who performs the control?*

DanDomain A/S's internal Windows Active Directory.

#### *Control documentation*

Logins are logged. Group policies and MFA system configuration.

### **Operational procedures and responsibilities (A.12.1)**

#### *Objective*

To ensure correct and secure operations of information processing facilities by: Ensuring that changes to systems are consistent and controlled.

#### *Procedures and controls used*

Changes to DanDomain A/S's Operations Management System are controlled and documented through:

- Version control
- Code review
- Static code analysis.

Change management to systems follows a standardised process. Changes are documented in the internal ticketing system and communicated to customers. Changes must contain a description of impact for the customers, timeframe, and a description of affected services.

#### *Timing of the control*

When changes are planned or executed.

#### *Who performs the control?*

The person planning or executing the change.

#### *Control documentation*

Changes to Operations Management System is registered in Git and supporting systems.

Changes to systems are registered and communicated to customers via the internal change announcement system.

### **Configuration baseline (A.12.1)**

#### *Objective*

To ensure correct and secure operations of information processing facilities by: Ensuring that customers' servers are deployed according to our security baseline.

#### *Procedures and controls used*

Customers' servers are deployed based on our configuration baseline. This includes requirements for automatic patching, firewall settings and password policy.

Configuration baselines is reviewed at least annually.

#### *Timing of the control*

When customers' servers are deployed. Review of baseline is performed annually.

#### *Who performs the control?*

Deployment is automated by the deployment system. Review is done via peer review.

#### *Control documentation*

Deployment is logged in the deployment system, and the peer review is documented in an internal ticket.

### **Capacity management (A.12.1)**

#### *Objective*

To ensure correct and secure operations of information processing facilities by: Ensuring availability of systems and services.

#### *Procedures and controls used*

Servers are monitored for availability on predefined services based on the categorisation and the type of the server. Alerts are raised when service checks fails and handled by Operations staff. Repetitive alerts are escalated for further root cause analysis.

#### *Timing of the control*

Services are checked every five minutes. Summary of repetitive alerts is generated daily.

#### *Who performs the control?*

Monitoring system checks services. Repetitive alerts are checked by Operations staff.

#### *Control documentation*

Alerts are logged in Operations Management System.

### **Backup (A.12.3)**

#### *Objective*

To protect against loss of data for systems within DanDomain A/S's responsibility.

#### *Scope*

The scope of the report covers public systems providing services to customers where backup is included, i.e., Hosted Exchange, Webhotel, Hosted Desktop, Hosted Navision, VPS Server.

Internal systems providing services internally, i.e., corp. email, CMDB, Intranet, management systems.

Operation of the IBM Spectrum (TSM) service is outsourced to B4Restore. DanDomain A/S still handles configuration and monitoring of backup jobs and the service is still housed at DanDomain A/S-operated data centre sites. Therefore, this has not affected the controls in section 4.

#### *Out of scope:*

- Services without backup included:
  - Virtual servers: Cloud Server, Cloud Resource Pool (CRP), Virtual Data Centre (VDC)
  - Backup services provided where the customer manages the backup jobs and monitors backup jobs
  - Restore testing – We guarantee the integrity of our backup systems, but only the customer can test if their backup is valid.

#### *Procedures and controls used*

For "public systems providing services to customers", we guarantee backup of data with 14 days retention and recovery point objective of 24 hours if there is no disruption to the backup job.

For "Internal systems providing services internally", we guarantee backup so they can be recovered again.

Backups are always stored in a different data centre than where production data is stored. Backup data is replicated to another data centre site daily.

Integrity of backup systems is continuously insured by restore jobs internally and by customers.

We continuously test our restore capabilities by restoring internal systems and customer systems. Customers can ad-hoc order restore tests of their specific systems.

There is an automated procedure for daily follow-ups on failed backup jobs. If a backup job fails consecutively two days in a row, a ticket is raised. If a backup job fails three times over a period of 14 days, a ticket is raised.

*Timing of the control*

Automatic backup has been established and restore tests are carried out at least once a year.

*Who performs the control?*

The operations department is responsible for the day-to-day control of backup logs.

*Control documentation*

Backup log is stored in DanDomain A/S's asset management system.

**Logging (A.12.4)**

*Objective*

To record events and generate evidence.

*Procedures and controls used*

Events from critical systems are logged to central log management platform.

Extended Detection and Response (XDR) platform logs and ships events off site for protection. XDR platform monitors for malicious behaviour. Alerts are raised to Operations staff for investigation.

*Timing of the control*

Continuously.

*Who performs the control?*

Operations team investigates events raised.

*Control documentation*

Logs stored in log management platform and events are stored in the XDR platform.

**Technical vulnerability management (A.12.6)**

*Objective*

To prevent exploitation of technical vulnerabilities through patch management.

*Procedures and controls used*

For operating systems Windows and Linux servers, security patches are installed continuously throughout the year, and exceptions are documented.

For hypervisors, security patches are evaluated by system owner and installed appropriately.

For hardware devices, security patches are evaluated by system owner and installed appropriately.

*Timing of the control*

The update check is automated through the respective patch platforms.

*Who performs the control?*

The operations department is responsible for carrying out updates and checking them.

*Control documentation*

Documented in the patch management platform. On each server, a list of patches installed is available. Evaluated patches are documented in tickets.

### **Supplier services delivery management (A.15.2)**

#### *Objective*

To maintain an agreed level of information security and service delivery in line with supplier agreements.

#### *Procedures and controls used*

Conduct review of independent auditor's reports, if available, and assess issues identified.

Conduct physical inspection of supplier services in data centres.

#### *Timing of the control*

The review of the supplier's audit reports and the review of supplier's services are performed annually.

#### *Who performs the control?*

CISO and Infrastructure

#### *Control documentation*

Documented review of supplier audit reports is stored in the internal documentation system.

Documented review of supplier services is stored in the internal ticketing system.

### **Business continuity planning and testing (A.17.1)**

#### *Objective*

Planning for resuming business and services after any type of major incident.

#### *Procedures and controls used*

DanDomain A/S has established a contingency plan, which generally sets out guidelines on how to deal with any type of emergency situation. The contingency plan is approved annually by DanDomain A/S's management.

The contingency plan shall be reviewed on an ongoing basis and at least once a year.

#### *Timing of the control*

The contingency plan shall be reviewed and approved annually.

#### *Who performs the control?*

The Information Security department is to review, and management is to approve.

#### *Control documentation*

The contingency plan is versioned. There is evidence of actions taken in connection with the 'dry run' of the contingency plan.

### **3.5 Additional information on the established control environment and conditions to be observed by the client (complementary controls)**

#### **Service delivery**

The controls described in DanDomain A/S's system description is based on DanDomain A/S's standard terms. As a result, customer agreements which differ from DanDomain A/S's standard terms are not covered by the scope of this auditor's report. Customers and their auditors should assess whether the control scope in this auditor's report can be used in assessing the general IT controls at DanDomain A/S in relation to operations and hosting services provided from DanDomain A/S to the customer. Customers and their auditors should also themselves identify any other material risks related to their environment.

#### **User Management**

DanDomain A/S provides access and assigns access privileges in accordance with customer instructions as they are registered through the Service Desk or Control Panels. DanDomain A/S is not responsible for the accuracy of information about users, and it is therefore the responsibility of customers to ensure that

accesses and rights to systems and applications are allocated in accordance with the customers' own expectations for appropriate user management, including segregation of duties and periodic reassessment in the system environments hosted and operated by DanDomain A/S. If desired, the customer can create users on the individual servers themselves – controls related to this process are the responsibilities of the customers.

#### **Logical security configuration**

DanDomain A/S has configured logical security on its own infrastructure for providing operating and hosting services to its customers. Establishing and configuring logical security in customers' own environments are the responsibilities of the customers, and it is the responsibility of the customers to verify that these security configurations are consistent with the desired level of security.

#### **Logging**

Logging inside the customers' environments is the responsibility of the customers. Thus, each customer should ensure appropriate controls for configuration and monitoring of logs.

#### **Backup**

It is the customer's own responsibility to ensure that backup is set up according to the customer's own needs. Recovery of customer data from backup systems is only tested when a specific agreement has been reached with the customer or if DanDomain A/S receives a request from the customer with a specific request. According to DanDomain A/S's procedures, it is subsequently the customer's responsibility to ensure that completed restore can be used as intended in the respective environments.

#### **Contingency planning**

DanDomain A/S has set up general contingency planning that includes DanDomain A/S's own infrastructure. Customers should therefore independently assess whether additional procedures or contingency plans need to be implemented, including verification thereof.

#### **Compliance with relevant legislation**

DanDomain A/S is not responsible for applications that are run on the hosted equipment. It is therefore the responsibility of customers to establish reassuring controls in the applications, including that they support compliance with the Danish Accounting Act, the Personal Data Act, the Financial Business Act and/or other relevant legislation.

## 4 DanDomain A/S's Control Objectives and Related Controls, and Deloitte's Tests of Controls and Results of Tests

### 4.1 Introduction

This report is intended to provide DanDomain A/S's customers with information about the controls at DanDomain A/S that may affect the processing of user organisations' transactions and also to provide DanDomain A/S's customers with information about the operating effectiveness of the controls that were tested.

This report, when combined with an understanding and assessment of the controls at user organisations, is intended to assist user auditors in (1) planning the audit of user organisations' financial statements and in (2) assessing control risk for assertions in user organisations' financial statements that may be affected by controls at DanDomain A/S.

Our testing of DanDomain A/S's controls was restricted to the control objectives and related controls listed in the matrices in this section of the report and was not extended to controls described in the system description but not included in the aforementioned matrices, or to controls that may be in effect at user organisations. It is each user auditor's responsibility to evaluate this information in relation to the controls in place at each user organisation. If certain complementary controls are not in place at user organisations, DanDomain A/S's controls may not compensate for such weaknesses.

DanDomain A/S's system description does not include control objectives and associated controls at the sub-service organisation. DanDomain A/S uses the following sub-suppliers to deliver physical and environmental security of production environments and storage of backup.

- Fuzion A/S:
  - Housing
  - Physical and environmental security of production environment
- GlobalConnect A/S:
  - Housing
  - Physical and environmental security of production environment
- Cibicom A/S:
  - Housing
  - Physical and environmental security of production environment
  - Storage of backup.
- B4Restore A/S:
  - Housing
  - Backup

Additionally, DanDomain A/S uses an EDR/XDR subservice provider for cloud storage and reporting logic for a subset of logging and monitoring on critical platforms.

The customers' own auditors should gain assurance through inspection of auditor's reports from the sub-service organisations to collectively assess whether all relevant controls have been covered considering their clients' control environments as a whole.

### 4.2 Test of Controls

The test of controls performed consists of one or more of the following methods:

| Method             | Description   |
|--------------------|---|
| <i>Inquiry</i>     | Interview, i.e., inquiry with selected personnel at DanDomain A/S |
| <i>Observation</i> | Observation of the execution of control                           |



| Method                           | Description   |
|----------------------------------|---|
| <i>Inspection</i>                | Review and evaluation of policies, procedures, and documentation concerning the performance of the control. This includes reading and evaluating reports and other documentation to assess whether specific controls are designed and implemented. Furthermore, it is assessed whether controls are monitored and supervised adequately and at appropriate intervals. |
| <i>Re-performance of control</i> | Repetition of the relevant control to verify that the control functions as intended   |

#### 4.3 Test of Operating Effectiveness

Our test of the operating effectiveness of controls includes such tests as we consider necessary to evaluate whether those controls performed, and the extent of compliance with them, were sufficient to provide reasonable, but not absolute, assurance that the specific control objectives were achieved throughout the period from 01.01.2023 to 31.12.2023.

Our test of the operating effectiveness of controls was designed to cover a representative number of transactions throughout the period from 01.01.2023 to 31.12.2023 for each of the controls listed in this section, which are designed to achieve the specific control objectives.

#### 4.4 Control Objectives, Controls, and Test Results

##### 4.4.1 Information Security Policies (A.5.1)

Objective: A management-approved information security policy is based on an IT risk analysis and is communicated to relevant employees in the company.

| ID  | Control specified by DanDomain A/S  | Control performed by Deloitte   | Conclusion           |
|---|---|---|----------------------|
| A.5.1.1<br><i>Policies for information security</i>               | Information security policies are documented and communicated to employees.   | Deloitte checked by way of inspection that the information security policy and selected sub-policies are documented and available on team.blue internal wiki.<br><br>Deloitte inspected that the updated employee information security policy, has been communicated to employees via the intranet. | No exceptions noted. |
| A.5.1.2<br><i>Review of the policies for information security</i> | Information security policies are reviewed and approved at least annually.  | Deloitte inspected that the information security policy was reviewed and approved.  | No exceptions noted. |
| A.5.2.1<br><i>IT Risk Analysis</i>                                | Information security risk assessment of critical risks to DanDomain A/S operations of infrastructure is documented, reviewed at least annually, and approved. | Deloitte inspected the IT risk analysis and verified that it was updated in the audit period.<br><br>Deloitte verified that the IT risk analysis had been approved by the security board.   | No exceptions noted. |

#### 4.4.2 User Access Management (A.9.2)

Objective: To ensure authorised user access and to prevent unauthorised access to systems and services.

| ID   | Control specified by DanDomain A/S  | Control performed by Deloitte  | Conclusion           |
|--|---|--|----------------------|
| A.9.2.2<br><i>User-access provisioning</i>               | <p>Internal users at DanDomain A/S are created according to formal creation procedures based on request from manager.</p> <p>All internal users are created in the Windows domain with a personal user account.</p> | <p>Deloitte checked by way of inspection that an Access Control Policy covers the process and requirements for user access creations.</p> <p>Deloitte inspected on a sample basis that user creations are based on a ticket, and that the creation is requested and approved by a manager.</p> | No exceptions noted. |
| A.9.2.3<br><i>Management of privileged access rights</i> | Privileged access rights are limited to employees at DanDomain A/S with a work-related need.  | Deloitte inspected the list of users with privileged access on the two internal Windows domains, and per inquiry with key personnel verified that only users with a work-related need have access.   | No exceptions noted. |
| A.9.2.5<br><i>Review of user access rights</i>           | Periodic review of users with privileged access rights is performed, and inactive users as well as users without a work-related need for the access are removed.  | Deloitte inspected, on a sample basis, that users with privileged access rights in the two Windows domains are reviewed in the audit period, and users without a work-related need for the access are removed.   | No exceptions noted. |
| A.9.2.6<br><i>Removal or adjustment of access rights</i> | Internal users are disabled prior to or on the termination date of the employees.   | Deloitte inspected, on a sample basis, that terminated users' accounts are disabled according to the procedure.  | No exceptions noted. |

#### 4.4.3 System and application access control (A.9.4)

Objective: To prevent unauthorised access to systems and applications.

| ID  | Control specified by DanDomain A/S   | Control performed by Deloitte  | Conclusion           |
|---|--|--|----------------------|
| A.9.4.2<br><i>Secure logon procedures</i> | Access to DanDomain A/S's network goes through secure logon in Windows Active Directory, where password is configured according to the formalised password policy.<br><br>MFA is required for access from external networks. | Deloitte inspected the configuration of the password policy on the two internal Windows domains and verified whether it corresponded to the management-approved password policy.<br><br>Deloitte observed, on a sample basis, employees being validated through MFA. | No exceptions noted. |

#### 4.4.4 Operational procedures and responsibilities (A.12.1)

Objective: To ensure correct and secure operations of information processing facilities by: Ensuring that changes to systems are consistent and controlled; ensuring that customers' servers are deployed according to our security baseline; and ensuring availability of systems and services.

| ID   | Control specified by DanDomain A/S  | Control performed by Deloitte  | Conclusion           |
|--|---|--|----------------------|
| A.12.1.2a<br><i>Change Management</i>                | <p>Changes to DanDomain A/S's Operations Management System is controlled and documented through:</p> <ul style="list-style-type: none"> <li>• Version control</li> <li>• Code review</li> <li>• Static code analysis</li> </ul>           | <p>Deloitte inspected the change management procedure and verified with key personnel that the process was valid in the audit period.</p> <p>Deloitte verified, for one sample, that the system functionality supports version control as a standard.</p> <p>Deloitte inspected, for selected change samples, that Code review and Static code analysis are performed according to DanDomain A/S's requirements.</p> | No exceptions noted. |
| A.12.1.2b<br><i>Planned changes</i>                  | <p>Planned changes are documented according to a standardised process that ensures that maintenance announcements are made with the required information.</p> <p>All maintenance announcements are processed and approved by the CTO.</p> | <p>Deloitte inquired about the process for changes and verified that the process is system supported to ensure that required information for maintenance announcements is specified.</p> <p>For selected samples, Deloitte checked by way of inspection that all required information is included in the maintenance announcements and that it is processed and approved by the CTO.</p>                             | No exceptions noted. |
| A.12.1.2c<br><i>Configuration baseline – Review</i>  | A yearly review of the configuration baseline is performed, and the review is approved by the line manager.   | Deloitte inspected documentation for the performed review of the configuration baseline, and verified that the review was performed, peer reviewed and approved by the line manager.   | No exceptions noted. |
| A.12.1.2d<br><i>Configuration baseline – Control</i> | New Windows servers that are created are configured in compliance with actual baselines that have been defined in a number of scripts. This baseline contains specific requirements for password and patching                             | <p>Deloitte inquired with key personnel on the procedure for creating a new VPS server with a Windows operating system.</p> <p>Deloitte observed whether a newly created Windows server is in compliance with the baseline.</p>  | No exceptions noted. |

| ID                                     | Control specified by DanDomain A/S   | Control performed by Deloitte   | Conclusion           |
|--|--|---|----------------------|
| A.12.1.3<br><i>Capacity management</i> | <p>All servers are automatically monitored for availability via the central monitoring tool.</p> <p>Alerts are pushed to the monitoring screens placed in the operations department.</p> | <p>Deloitte inspected, for a sample of servers, that availability monitoring is configured, and verified whether deviations in availability are registered, and any outages are handled.</p> <p>Deloitte observed that monitoring screens are placed in the operations department and verified with key personnel that alerts are monitored.</p> <p>Deloitte inspected that alarms are followed up on and documented.</p> | No exceptions noted. |

#### 4.4.5 Backup (A.12.3)

Objective: To protect against loss of data for systems within DanDomain A/S's responsibility.

| ID   | Control specified by DanDomain A/S   | Control performed by Deloitte   | Conclusion           |
|--|--|---|----------------------|
| A.12.3.1a<br><i>Information backup<br/>– configuration</i> | All DanDomain A/S services with backup included are stored for at least 14 days.<br><br>Backup runs daily and reoccurring errors result in a ticket for Operations staff.    | Deloitte inspected, for selected server samples, that backup retention is set to at least 14 days.<br><br>For selected servers, Deloitte checked by way of inspection that backup is performed on a daily basis and that backup errors result in a ticket that is handled according to the procedure. | No exceptions noted. |
| A.12.3.1b<br><i>Information backup<br/>– locations</i>     | Backup is stored off site away from any production system.   | Deloitte inspected for selected server samples that back-ups are stored on different sites than production servers.   | No exceptions noted. |
| A.12.3.1c<br><i>Information backup<br/>– restore test</i>  | DanDomain A/S performs restores for customers as a part of daily operations and the customers are responsible for verifying that the integrity of the backup data is intact. | Deloitte inspected documentation for one sample of a restore test performed in 2023 and verified that the results were approved by the client.  | No exceptions noted. |

#### 4.4.6 Logging and monitoring (A.12.4)

Objective: To record events and generate evidence.

| ID   | Control specified by DanDomain A/S   | Control performed by Deloitte  | Conclusion           |
|--|--|--|----------------------|
| A.12.4.1<br><i>Event logging</i>                   | Event logging is configured for DanDomain A/S's critical, central systems.                               | Deloitte inspected, on a sample basis, that event logging is configured on two internal Windows domain controllers.<br><br>Deloitte inspected whether the same two internal Windows domain controllers were also covered by EDR/XDR logging.   | No exceptions noted. |
| A.12.4.2<br><i>Protection of log information</i>   | DanDomain A/S's central critical logs are stored at external party and cannot be altered.                | Deloitte inspected, on a sample basis, that logs from two internal Windows domain controllers were transferred to the log management tool.<br><br>Deloitte inquired with key personnel whether logs from server samples, Windows Domain Controllers and Operations Management System are protected from deletion and manipulation. | No exceptions noted. |
| A.12.4.3<br><i>Administrator and operator logs</i> | System administrator and system operator activities shall be logged in the Operations Management System. | Deloitte checked by way of inspection that a password access log from the Operations Management System for documenting the use of shared administrator users is available.<br><br>Deloitte inspected on a sample basis whether user access logs are stored on local servers for a limited time period.                             | No exceptions noted. |



#### 4.4.7 Technical vulnerability management (A.12.6)

Objective: To prevent exploitation of technical vulnerabilities through patch management.

| ID   | Control specified by DanDomain A/S  | Control performed by Deloitte  | Conclusion           |
|--|---|--|----------------------|
| A.12.6.1<br><i>Management of technical vulnerabilities</i> | <p>For operating systems, security patches for Windows and Linux servers are installed continuously throughout the year, and exceptions are documented.</p> <p>For hypervisors, security patches are evaluated by system owner and installed appropriately.</p> | <p>Deloitte inspected that patch management policies were in place for Windows, Linux and VMWare ESXi, and that they are up to date.</p> <p>Deloitte verified on a sample basis that Linux and Windows servers had been updated throughout the audit period according to the patch policy.</p> <p>Deloitte verified on a sample basis the ESXi patch level, and verified via inquiry with key personnel that the patch level is in accordance with the patch policy.</p> | No exceptions noted. |

#### 4.4.8 Supplier service delivery management (A.15.2)

Objective: To maintain an agreed level of information security and service delivery in line with supplier agreements.

| ID   | Control specified by DanDomain A/S  | Control performed by Deloitte   | Conclusion           |
|--|---|---|----------------------|
| A.15.2.1<br><i>Monitoring and re-view of supplier services</i> | <p>DanDomain A/S performs an annual review of independent auditor's reports for critical sub-suppliers, if available, and assess issues identified.</p> <p>DanDomain A/S performs an annual physical inspection of supplier services in data centres, and the results are documented in the ticketing tool.</p> | <p>Deloitte inspected documentation showing that review of independent auditor's reports for critical sub-suppliers is performed and that the results are documented on team.blue internal wiki.</p> <p>Deloitte inspected on a sample basis that annual physical inspection of supplier services in data centres was performed and documented in the ticketing tool.</p> | No exceptions noted. |

#### 4.4.9 Information security aspects of business continuity management (A.17.1)

Objective: Planning for resuming business and services after any type of major incident.

| ID   | Control specified by DanDomain A/S  | Control performed by Deloitte   | Conclusion           |
|--|---|---|----------------------|
| A.17.1.2<br><i>Implementing information security continuity</i>                | A business continuity plan is documented, reviewed, and annually approved by management.  | Deloitte inspected that a business continuity plan is documented, and that it outlines the scope and implementation of the plan.<br><br>Deloitte inspected that the business continuity plan has been reviewed annually and approved by management in 2023. | No exceptions noted. |
| A.17.1.3<br><i>Verify, review and evaluate information security continuity</i> | Business continuity tests are conducted at least annually. There is evidence of actions taken in connection with the 'dry run' of the contingency plan. | Deloitte inspected meeting notes and material used for the latest business continuity test performed, and inspected that the test has been approved by the Security Board.  | No exceptions noted. |