

# Security of server rooms and office premises

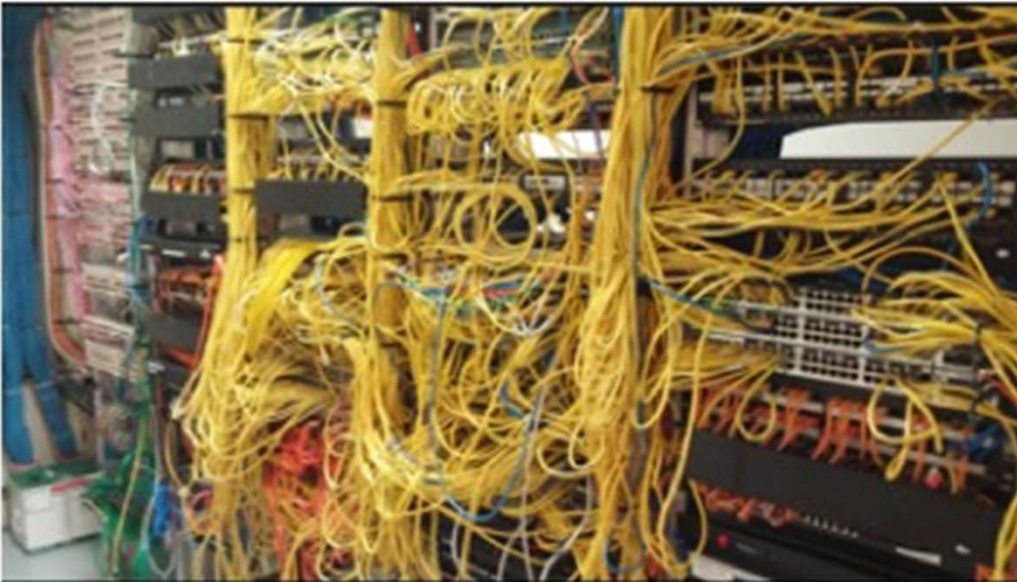


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Is the physical security of premises related to the State's IT infrastructure ensured?

## Server rooms (early and now)





## Trends

- Every ministry had server room or two...
- Often old office buildings
- Ministries' consolidation to the ministries' building
- In-house hosting service replaced by outsourced service



## Threats

- Unauthorized Access
- Inadequate Monitoring
- Inappropriate Microclimate
- Fire
- Water
- Missing or Inadequate Intrusion Protection
- Power Outages



## Assessment criteria

**Security measures** ensuring the physical safety of rooms **have been implemented in the server rooms** of state authorities and in technical rooms necessary for the operation of server rooms.

**State authorities have implemented an internal control system**, which mitigates the **risk of unauthorised access** to buildings and rooms **to an acceptable level**.



## Standards – threats&measures checklists

- ISKE
- E-ITS
- IT-Grundschutz
- ISO27001
- ANSI/BICSI 002
- ...

## Overall audit assessment

- **Necessary security measures were generally implemented in the server rooms** and technical rooms necessary for the operation of server rooms in ten audited state institutions and one audited legal entity in public law.
- **Primary security measures for ensuring physical safety were implemented in IT office premises**, and the risk of unauthorized access to the rooms was reduced to an acceptable level.





## Examples of some deficiencies 1(2)

- The server room was not under alarm.
- The video surveillance system was not sufficiently protected.
- Combustible materials, such as cardboard boxes, were stored in the server rooms.
- The minimum period for retention of video surveillance recordings were not specified.
- The protection of external facilities was inadequate.



## Examples of some deficiencies 2(2)

- Access to the server room was possible with access control card (only).
- There was no automatic fire suppression system (gas-based).
- The security guard had administrator rights on the control desk computer to the access control server.
- Cooling of the room was organised inefficiently.



## Recommendations

As a result of the audit, the NAO made more detailed observations about the security of each audited institution and gave recommendations on how to improve the situation.



## Responses of the Auditees

**The auditees agreed with most of the observations and recommendations of the NAO and presented their plans for eliminating the deficiencies and implementing the necessary security measures.**



## What we learned?

- Audit checklists
  - Number of questions (a)
  - Number of rooms (b)
  - Total –  $a \times b$
- No photos
- Public or internal use audit report
- ...



**2023**

Press release

Audit summary

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Thank you!

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