

Information and general conditions for the realisation of the federal professional examination:

Cyber Security Specialist (CSS)

Examination part 1: German: Cyber Sicherheit
 French: Cybersécurité
 Italian: Cybersicurezza

Examination platform: Hacking-Lab

Link to the platform: <https://ict-berufsbildung.hacking-lab.com/>

Contents

System requirements.....	2
Recommended software tools – for testing in Hacking-Lab.....	2
Hardware requirements.....	2
General conditions	3

Information in this document is provided without guarantee of completeness.

System requirements

Browser

- Latest version of Firefox
- Latest version of Google Chrome

Recommended software tools – for testing in Hacking-Lab

Information without guarantee of completeness

To get the best chances for the exam, please make sure you have the following tools installed and ready to use:

- Recommended tool collection: Live CD for the Hacking Lab
- Office tools for documentation incl. graphics programs and PDF generator
- IDE for programming in Python
- Tools for memory forensics (typically volatility)
- Tools for security and penetration tests of web applications
- Tools for detecting vulnerabilities in ICT infrastructures (typically Nessus)
- Tools for network analysis and PCAP files (typically Wireshark)
- Tools for database administration of SQL databases (typically SQLite Browser)
- Tools and commands (Kali Linux) for system administration, port scans, brute forcing, etc.

Hardware requirements

Hardware

A commercially available notebook with WLAN adapter can be used. A pure tablet computer is not suitable. You must bring your own power supply unit with a CH power plug. An additional display device/screen is permitted. A maximum of two power connections per candidate are available.

No handwritten notes or additions can be added to the examination.

The use of smartphones for uploading photos, e.g. for handwritten notes, is not permitted.

The requirements for the computer depend on the additional software you have installed.

Candidates are responsible for ensuring that the mobile device they bring with them works properly.

General conditions

Exam structure and time limit

The examination part is carried out in the specified time (analogous to the examination schedule).

The examination part consists of several challenges. You are free to choose your own time.

Aids

Permitted are:

- Personal computer/laptop with access to local data
- Additional display device/screen (maximum 2 displays during the exam)
- Written documents
- Calculator
- Headphones (for quiet and concentration)
- Tablet or cell phone for digital documents and calculator function
- Access to the internet for research purposes (including artificial intelligence)

During examination times, any communication with other examination candidates is prohibited.

Any communication with third parties via email, chat, internet etc. is also prohibited.

Technical devices that are not required must be switched off during the examination.

In general, recording and passing on the tests and their components is prohibited.

Non-compliance can lead to exclusion from the examination. This can also be imposed retrospectively.

The instructions of the invigilators must be followed. Failure to comply with the general conditions will result in exclusion from the examination with a grade of 1 in the respective examination section.