COUNTRY REPORT BERLIN
GERMAN FEDERAL STATE

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12th EUPOS, Warsaw, Poland, Oct. 07th+08th 2026

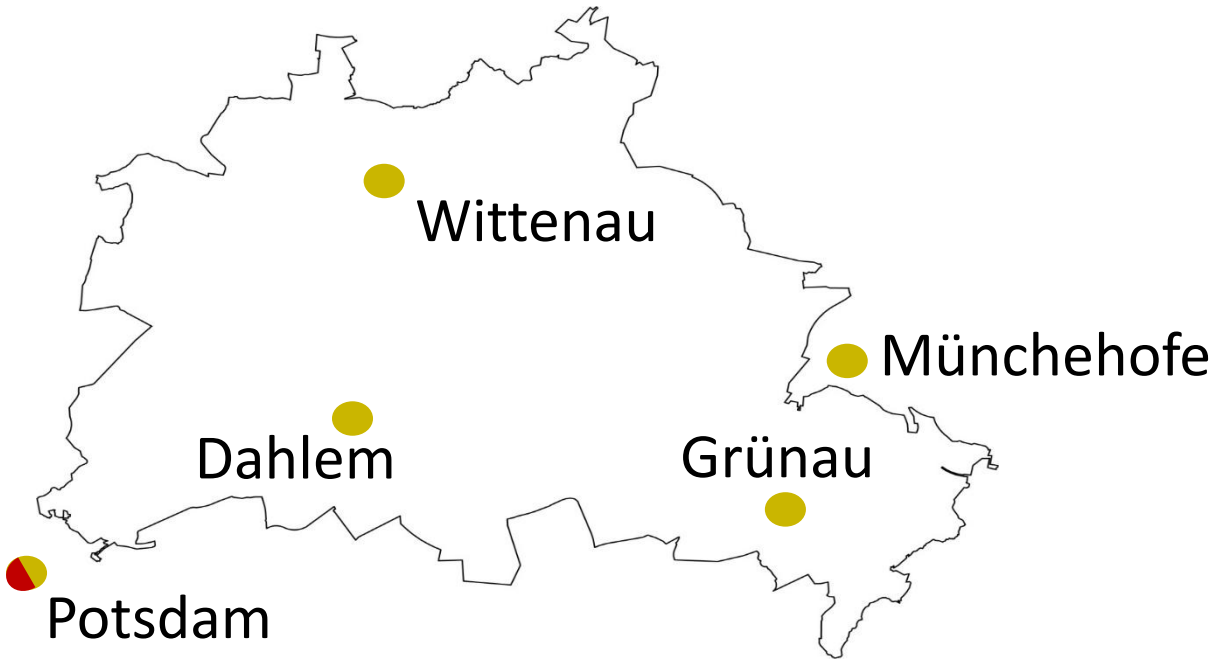
BERLIN

Outline

- SA*POS*® Berlin
- Cyber attak in Berlin
- Technical documentation

SA*POS*® Berlin

Current Network



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Ground based GNSS reference station

- If possible, setting ups at location which are well protected, i.e. areas of water supply companies
- Set-up of Corner Reflector and GNSS-antenna on one basement
- Data transmission via 1 router with 2 independent LTE links and autonomous choice of the best data connection
- Under investigation: independent power supply

Cyber attack in Berlin

Informations which are public and allowed to communicate

- Attack at the network in the Federal state of Berlin in August 2026
- 2 Senate Departments were mainly affected
- Attacker: Rhysidia
- Publication of data in the dark net at the beginning of September 2026
- Investigations which data are publicated in process - it is confirmed that also private data are published.
- Several restrictions are still active, i.e. using internet …

Cyber attack in Berlin

Effect on SA*POS*® Berlin

- SA*POS*® Berlin has worked:
  - users were able to work
  - correction data (HEPS)
  - Rinex download (GPPS) and
  - post processing (GGP-PrO)

- Limitations:
  - Applications of users (as mailing and application form were run by the Federal state)
  - Error and status messages (as mailing from the Senate Department was used)

  → Work arounds have fast been found to reduce the effect.

- The effect was so small due to running SA*POS*® Berlin independently and having a sufficient technical documentation in concepts

Technical Documentation

- In Germany it is mandatory to have documentations of your running IT system.
- BSI (Federal Office for Information Security) has guidelines how to documente and which aspects should be considered in running IT systems.
- Documentation is time consuming, but if there is an attack or technical problems, it equalizes the effort.

Technical Documentation SA*POS*® Berlin

- Functional concept and specification
- Operational concept
- Infrastructure concept and specification
- Safety concept
- Business continuity plan (from 2018)
- emergency preparedness concept (in preparation)
- Data saving and recovery concepts (in preparation)
- …

Thank you.

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