Service Quality Monitoring

Working group status

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EUPOS
European Position Determination System

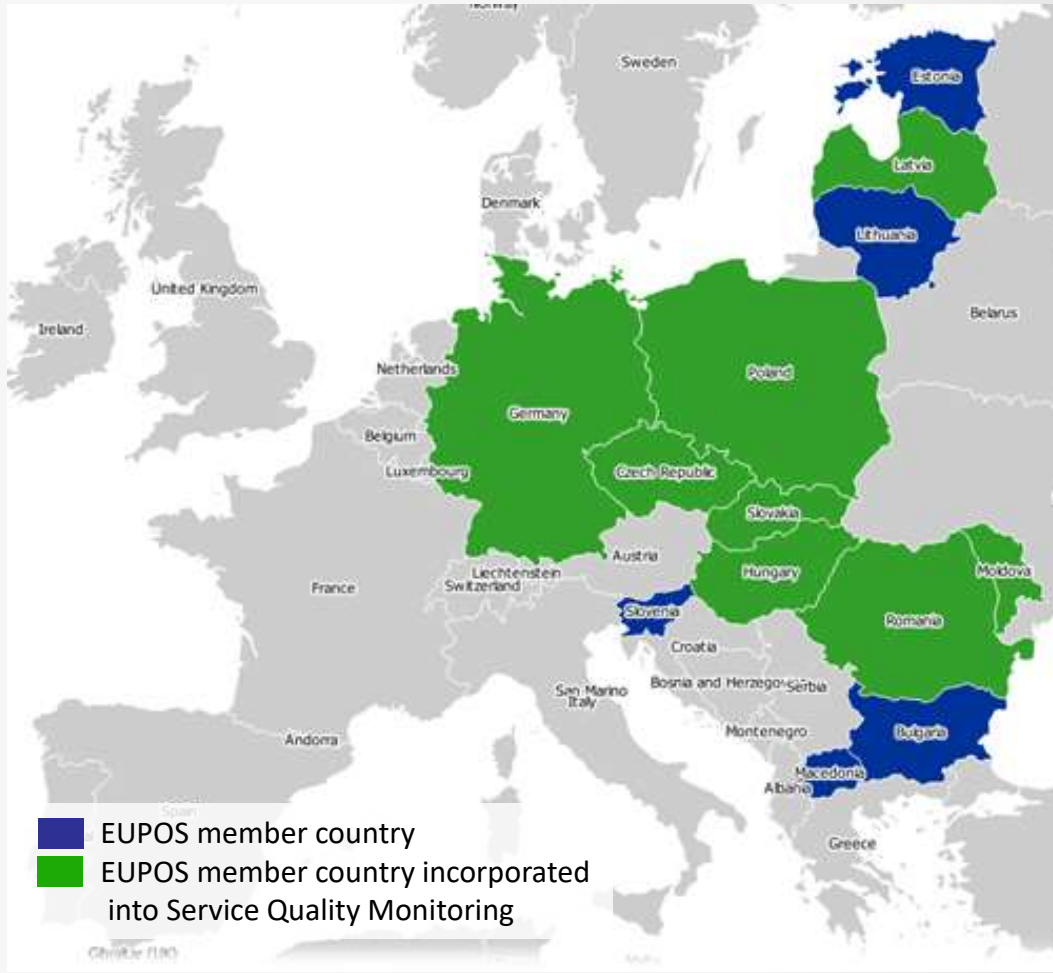
12th EUPOS Council and Technical Meeting

October 7-8, 2026, Warsaw, Poland



EUPOS WG on Service Quality Monitoring

- Established in 2014
- Inspired by Czech and Slovakian solution
- Aims:
  - creation of the uniform common network RTK quality monitoring tool based on virtual monitoring stations for all EUPOS member countries
- WG cooperators
  - Szymon Wajda (Poland) – ASG-EUPOS
  - István Galambos (Hungary) – gnssnet.hu
  - Vlad Sorta, Miluta Flueras, Victor Crasnopolschi (Romania) – ROMPOS
  - Christian Trautvetter (Germany) – SAPOS
  - Rolands Pinta (Latvia) – EUPOS-RIGA **???**
  - Alexandr Mihailov (Moldova) – MOLDPOS
  - Jan Řezníček (Czech Republic) – CZEPOS



Cyber attack on January 2025

- massive cyber attack in Slovakia
- affected:
  - Land registry
  - Cadaster offices
  - Websites
  - SKPOS
  - GIS web services
  - **Including EUPOS SQM**



Current status



Ready

- SKPOS monitoring
- servers
- recovered source codes
- recovered database
- installed web server and database
- permission for all external casters
- exceptions in firewall and proxy
- installation of source codes and app testing
- vulnerability and penetration tests

Still waiting

- hardening
- purchase and installation of a TLS certificate
- publication at https://monitoringEupos.gku.sk

EUPOS service quality monitoring Status (October 2026)

SKPOS	38 stations
ASG eupos	116 stations
GNSSnet.hu	9 stations
ROMPOS	87 stations
SAPOS®	4 stations
RIGA EUPOS	~~3 stations~~
MOLDPOS	10 stations
CZEPOS	4 stations
	268 stations

Network softwares:

- Trimble Pivot Platform
- Geo++ GNSMART
- Leica Spider

Thank you for your attention

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