



VGR-5G – External news

Published: 31 January 2025

5G SA (stand alone) in place at VGR

An important milestone has been reached in the establishment of VGR-5G, as 5G SA (stand alone) is now operational within Region Västra Götalandsregionen's (VGR) infrastructure.

The VGR-5G Program has deployed technology for stand-alone 5G, also known as 5G SA, in two separate production environments – intended, among other things, to enable live testing of VGR's private 5G network.

Several suppliers have been connected to carry out extensive data transmission tests and to ensure stable and reliable communication. One of the most critical tests has been the establishment and verification of VoNR (Voice over New Radio), a technology that enables voice communication over 5G. Voice functionality is of vital importance for many of VGR's operations, both in day-to-day use and in situations of heightened preparedness or crisis.

Further tests are planned during 2025, along with the gradual deployment of additional advanced features within the 5G SA network, in parallel with the rollout of VGR-5G at VGR's mission-critical sites. The goal is to fully implement and leverage 5G SA, often referred to as "true 5G," as it offers a range of unique features and advantages compared with previous generations of mobile networks, such as:

- Lower latency (faster response times) – critical for remote surgery, AR/VR applications, and real-time communication.
- Better indoor coverage and support for more connected devices.
- Higher security and reliability – with improved encryption and authentication methods.

The increased capacity, shorter response times, and enhanced security that 5G SA provides can address many of the needs of VGR's operations – both in everyday healthcare and in the event of societal disruptions, crisis situations, or war. By investing in this technology, VGR is strengthening its resilience and creating a robust digital platform for the future of healthcare and public services.

NOTE: This English translation was generated by AI. In case of discrepancies, the original Swedish text prevails.