

DO YOU KNOW VoNR?

WHAT IS 5G VoNR?

5G Voice over New Radio (5G VoNR) provides voice calling services based on an IP Multimedia System (IMS) that uses the 5G network as its source for Internet Protocol (IP) voice processing. 2020 marked the first year that 5G SA networks were deployed enabling VoNR.



WHY IS 5G VoNR IMPORTANT?

5G VoNR helps service providers meet the demand of voice services from mobile subscribers. In addition, it enables a number of the data services provided by 5G specific use cases.



INTERESTING FACTS ABOUT 5G VoNR

- ▶ VoNR provides faster call setup times and noticeably better sound quality
- ▶ Dropped calls will be minimized because fallback procedures will be initiated at the beginning of the call
- ▶ Other benefits of 5G VoNR include:
 - Higher capacity
 - Higher bit rates
 - Better quality media

HOW DOES 5G VoNR WORK?

When a 5G Core is deployed, 5G voice calls are implemented as end-to-end Voice over IP (VoIP) connections managed by the IMS core. Voice and video communication services in these networks ride on top of the IP data connection.



HOW IS 5G VoNR DIFFERENT?

5G VoNR is different, but importantly it's similar in critical ways to support legacy systems. 5G still uses the 4G voice/video communication architecture based on IMS. But VoLTE and VoNR are different access modes for IMS.



LEARN MORE ABOUT VoNR

Webinar



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