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New *iGR* study forecasts U.S. mobile network infrastructure spending for 4G LTE and 5G over ten years

Study forecasts both infrastructure build spending and operational costs

AUSTIN, Texas, April 17th, 2019 – The first 5G networks have now been launched in the U.S., with many more to come over the next few years. 5G network deployment will not be complete in a year or two, but will instead take many years to fully deploy. As a result, LTE will continue to carry the majority of U.S. mobile data traffic for the next few years.

Mobile operators will need to make significant investments in their LTE and 5G networks over the next 10 years, and *iGR*, a market research consultancy focused on the wireless and mobile industry, has recently published a new market study that forecasts just how much the mobile operators will spend to build and operate their mobile networks.

“While the initial 5G coverage is currently very limited in the U.S., we expect this will change as additional spectrum is deployed and consumer 5G devices become available,” said Iain Gillott, president and founder of *iGR*. “And mobile operators will have to spend significant amounts to build the network and keep up with the new demand.”

iGR's new market study, [**U.S Mobile Network Infrastructure Spending Forecast, 2018-2028: The 5G Era**](#), presents a forecast for the cost of building, deploying and operating LTE and 5G networks in the U.S. beginning in 2018 and continuing through 2028. Included is a mobile network infrastructure build forecast, which is further detailed by mobile network component (RAN, front/backhaul, and core) and generation (LTE and 5G). The study also includes a forecast of network operating costs. In addition to the forecasts, the market study provides detailed information on evolving mobile network architectures, 5G networks, and how the U.S. mobile industry is deploying 5G.

The following key questions are addressed in the new research study:

- How will the amount of data traffic carried on LTE and 5G networks grow in the U.S. in the next ten years?
- How big is the LTE and 5G infrastructure opportunity in the U.S. in the next ten years?
- How fast will 5G network spending grow in the next ten years in the U.S.?

- What is the share of infrastructure spending for the network components of RAN, fronthaul/backhaul, and core in the next ten years?
- What is the share of infrastructure spending for LTE and 5G in the next ten years?
- What are the expected mobile network operating costs in the next ten years?
- What are the various 3GPP standards leading up to 5G and what are they likely to contain?
- What is 5G? How is it defined and/or viewed right now? What are the key capabilities for 5G networks?
- What are some of the goals and use cases for 5G?
- How will U.S. mobile operators migrate from their 4G LTE networks of today to tomorrow's 5G networks?
- What have the major U.S. mobile operators done to trial and prepare for 5G? When did they launch/will they launch their initial 5G networks?
- What is Non-standalone New Radio (NSA-NR)? How do MIMO and beam steering impact 5G networks?

The information in this market study will be valuable for:

- Mobile operators
- Infrastructure OEMs
- Small cell product and solution vendors
- Edge computing solution providers
- Backhaul service providers and equipment OEMs
- Financial analysts and investors.

The new report can be [purchased](#) and downloaded directly from *iGR*'s website at www.igr-inc.com.

About *iGR*

iGR is a market strategy consultancy focused on the wireless and mobile communications industry. Founded by Iain Gillott, one of the wireless industry's leading analysts, in late 2000 as iGillottResearch, *iGR* is now in its nineteenth year of operation. *iGR* continuously researches emerging and existent technologies, technology industries, and consumer markets. We use our detailed research to offer a range of services to help companies improve their position in the marketplace, clearly define their future direction, and ultimately improve their bottom line.

iGR researches a range of wireless and mobile products and technologies, including: 5G, 4G LTE, smartphones, tablets, connected cars, V2X and V2V, mobile applications, bandwidth demand and use, 5G small cell and het-net architectures, 5G new core virtualization, mobile EPC and RAN virtualization, edge computing, in-building wireless, CBRS, mmWave, spectrum farming, DAS, VoLTE, macro-, pico- and femtocells, mobile front/backhaul, WiFi and WiFi offload.

A more complete profile of the company can be found at www.igr-inc.com.