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New *i*GR white paper discusses the use of 5G RAN hotspots and edge computing to shorten the payback period on 5G investment

Sponsored by Mavenir, white paper provides analysis of expected 5G return on network investment

AUSTIN, Texas, May 16th, 2019 – 5G is now being deployed by select mobile operators around the world, but there is a problem: the initial cost to build far exceeds the expected initial revenues, such that payback on the network build is not expected until 2022 at the earliest and 2023 or later (depending on the global region) for any significant revenues.

One way to shorten the payback period is to initially only build 5G 'hotspots' where the mobile operators need low latency to provide value-added services. *i*GR, a market research consultancy focused on the wireless and mobile industry, has written a white paper that analyzes the return on investment for building and operating 5G networks.

"5G RAN hotspots, supported by edge compute, can provide low-latency services only where they are needed," said Iain Gillott, president and founder of *i*GR. "This approach of initially implementing 5G only in certain hotspots reduces build and operating costs, while still providing value-add 5G services. We estimate the ROI for 5G can be improved by three years."

*i*GR's new white paper, **A Real 5G Business Case that works: *5G Hotspots***, which was commissioned by Mavenir, discusses the cost to build 5G, the expected revenues to be generated from 5G, and the timeline of 5G investment and 5G revenue. It also analyzes the use of 5G hotspots with edge compute to maximize the benefits and revenue stream from 5G applications.

The following key questions are addressed in the new white paper:

- What is 5G and what does it enable?
- What are expected revenue sources for 5G?
- How much will it cost to build the 5G network over the next ten years?
- When will 5G revenues exceed 5G build and operating costs?
- How can 5G hotspots and edge computing be used for specific 5G applications?
- What is the payback period (5G revenues exceeding investment) when a 5G hotspot approach is used?

The new white paper can be downloaded at no charge directly from *iG*R's website. Alternatively, email Iain Gillott for additional details.

About *iG*R

*iG*R 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 *iG*illottResearch, *iG*R is now in its nineteenth year of operation. *iG*R 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.

*iG*R 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.