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FOR IMMEDIATE RELEASE

New *iGR* study forecasts increasing Carrier Tenancy of Distributed Antenna Systems (DAS) installed in the U.S.

Carrier Tenancy is the average number of carriers that share neutral-host DAS

AUSTIN, Texas, November 21st, 2013 – Mobile operators are increasingly relying on small cells as a way to solve in-building coverage/capacity issues. A DAS is a type of small cell and is characterized by multiple antennas connected to processing units that are geographically distributed throughout a network.

DAS systems are typically deployed to improve both the voice and data coverage on licensed cellular bands in office buildings, as well as in venues with a particularly high density of users such as stadiums and convention centers. Many sports arenas across the U.S. have installed DAS to improve the wireless service for guests.

Installed DAS are generally neutral-host, which means that several mobile operators use the same DAS infrastructure to offer improved in-building cellular voice/data service. A single installed DAS may support only one carrier, or as many as five or six separate mobile operators, who are often referred to as tenants. Thus, “carrier tenancy” is used to describe DAS infrastructure sharing. Due to the expense of installing a DAS, more and more DAS installations are shared by multiple carriers, which equates to an increased carrier tenancy.

“We have forecasted the actual U.S. DAS installations and the carrier tenancy – the number of carriers per DAS - as a follow-up to our total addressable market forecast,” said Iain Gillott, president and founder of *iGR*, a market research consultancy focused on the wireless and mobile industry. “We feel that both installation and tenancy numbers are important definers of this complex market.”

iGR spoke to major DAS owners, operators, and installers while researching its new market study, *U.S. DAS Market Forecast, 2012 – 2017: Installations, Tenancy, OpEx and CapEx*. It is a follow-on report to one that *iGR* published earlier in 2013 that sized the total addressable

market for DAS. This report defines DAS architecture, overviews use cases, provides profiles of over twenty DAS vendors, and gives a five year forecast for the number of installed DAS in the U.S., carrier tenancy on DAS, as well as the total addressable market for DAS in the U.S.

The following key questions are addressed in *iGR's* research studies:

- What is the DAS architecture?
- How do DAS and small cells compare?
- What is the difference between neutral DAS and single host DAS?
- What are the challenges that surround a DAS deployment?
- What are the advantages provided by DAS?
- What are the typical use cases for DAS?
- What improvements do U.S. consumers want in their cellular voice coverage and how might DAS help provide these improvements?
- What are the key elements and assumptions in *iGR's* market forecast for installed and carrier DAS?
- What is the five year market forecast for installed and carrier DAS?
- What are the key elements and assumptions in *iGR's* CapEx and OpEx forecast for installed DAS?
- What is the five year CapEx and OpEx forecast for installed and carrier DAS?
- What are the key elements and assumptions in *iGR's* total addressable market forecast for DAS?
- What is the five-year total addressable market forecast for DAS systems in both commercial buildings and multi-dwelling units (MDUs)?

In addition, a number of DAS vendors are profiled in the report, including:

- Advanced RF Technologies, Inc. (ADRF)
- Axell Wireless
- Betacom Incorporated
- BTI Wireless
- C Squared Systems
- Cello (formerly Optiway)
- Comba Telecom
- CommScope
- Connectivity Wireless Solutions
- Corning MobileAccess
- CSI (Cellular Specialties, Inc.)
- Crown Castle / NextG Networks
- Ethertronics
- Galtronics
- iBwave
- Inner Wireless/Black Box Network Services
- RFS - Radio Frequency Systems
- SOLiD
- Solutelia
- TE Connectivity
- Tempest Telecom Solutions

- Zinwave

The information in these reports will be valuable for:

- Mobile operators
- DAS vendors and solution providers
- Mobile network infrastructure OEMs
- Mobile network software and services providers
- Financial analysts and investors.

The reports can be purchased and downloaded directly from *iGR*'s website at www.iGR-inc.com. Alternatively, contact Iain Gillott at (512) 263-5682 or at iain@iGR-inc.com for additional details.

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 entering its thirteenth 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: smartphones; tablets; mobile applications; bandwidth demand and use; small cell architectures; DAS; LTE; VoLTE; IMS; NFC; GSM/GPRS/UMTS/HSPA; CDMA 1x/EV-DO; iDEN; SIP; macro-, pico- and femtocells; mobile backhaul; WiFi and WiFi offload; and SIM and UICC.

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