



DISH will Lease Spectrum in San Francisco to Artemis for World's First pCell Deployment Artemis I Hub Available for pCell Venue and Indoor Trials

pCell compatible with off-the-shelf LTE devices such as iPhone 6, iPad Air 2 and Android devices

San Francisco, CA – February 24, 2015 – Artemis Networks LLC today announced that DISH, through its wholly-owned subsidiary American H Block Wireless L.L.C., would lease certain H Block mobile spectrum in San Francisco to Artemis for up to two years for the world's first deployment of pCell™ wireless technology, subject to FCC approval.

pCell is a new approach to wireless that indoor testing has demonstrated delivering full-speed mobile data to every mobile device concurrently, regardless of how many users are sharing the same spectrum, thus achieving greater capacity than conventional LTE. Building on this testing, the first pCell service will be deployed in San Francisco subject to FCC approval.

Rather than avoiding interference like conventional wireless technologies, pCell technology *exploits* interference, combining interfering radio waves to create an unshared personal cell (a “pCell”) for each LTE device, *providing the full wireless capacity to each user at once, even at extremely high user density.*

To use the Artemis pCell service in the DISH-leased spectrum band, users will simply insert an Artemis SIM card into an LTE device, for example, an iPhone 6/6 Plus, iPad Air 2 or spectrum-compatible Android device. In the case of new universal SIMs that are just coming on the market, it's even easier: users will simply choose Artemis as their LTE service on the screen. The device will then connect to Artemis pCell service as it would to any LTE service, but unlike cellular LTE service, Artemis expects that pCell will deliver consistently high speed throughout the coverage area, even in very high-density scenarios. If the user needs service outside of San Francisco, they will have the option of subscribing to roaming cellular service, which will be provided through an MVNO.

Artemis also announced today the availability of the Artemis I Hub for venue and indoor trials. The Artemis I Hub provides pCell service through 32 distributed antennas, delivering up to 1.5 Gbps in shared spectrum to off-the-shelf LTE devices, with frequency agility from 600 MHz to 6 GHz, enabling pCell operation in any mobile band. Frequency-agile pWave™ remote radio heads for outdoor use will be available later this year. Artemis Hubs and pWaves enable rapid deployment at a fraction of the installation and operating cost of conventional LTE infrastructure. Artemis Hubs and pWaves are also much simpler to deploy than conventional mobile infrastructure, opening the door for a wide range of partners to deploy Artemis infrastructure, starting initially throughout San Francisco.

“We are delighted to introduce pCell to the world with the availability of the Artemis I Hub for trials,” said Steve Perlman, Artemis founder and CEO. “The Artemis I Hub enables partners to test pCell in indoor and venue scenarios using off-the-shelf LTE devices, such as iPhone 6/6 Plus, iPad Air 2 and Android devices.”

About Artemis

Artemis Networks LLC (www.artemis.com) is the pioneer of pCell technology. Founded by technology pioneer Steve Perlman in early 2000s, and incubated for over a decade by Steve's Rearden Companies



incubator (www.rearden.com), Artemis service will be initially offered in San Francisco, California. pCell technology is protected by a broad portfolio of fundamental patents, both US and internationally.

To find out more about pCell technology, visit www.artemis.com

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U.S. Patents 7,418,053, 7,451,839, 7,599,420, 7,633,994, 7,636,381, 7,711,030, 7,885,354, 8,160,121, 8,170,081, 8,307,922, 8,428,162, 8,469,122, 8,542,763, 8,571,086, 8,654,815, 8,971,380, International Patents, Patents Pending. Artemis, the Artemis logo, pCell and pWave are trademarks of Artemis Networks LLC.