Motorola Introduces Cost-Effective Single RAN Solution for WiMAX Evolution

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The Networks business of Motorola today introduced its WiMAX Evolution solution for operators to upgrade existing WiMAX 802.16e / 802.16e Enhanced networks to 802.16m or TD-LTE or to add LTE to their existing WiMAX networks.

Customized for rapidly spreading 4G networks, Motorola's enhanced WiMAX offering is based on a single RAN (Radio Access Network) solution that supports existing technology and provides operators with a cost-effective way to upgrade their network offerings, preserving capital and protecting investments.

"As consumer demand for mobile data continues its explosive growth, WiMAX operators around the world are facing 10GB to 30GB average subscriber data usage per month," said Fred Gabbard, vice president of product management, Motorola Networks. "Motorola is working closely with these operators to plan capacity for the next five years. Our WiMAX Evolution - Single RAN solution allows operators to migrate to WiMAX 802.16m or LTE, thus reducing cost and offering the best path for 4G growth."

Motorola's WiMAX Evolution - Single RAN solution makes operators' 4G choice easy by reusing most of a base station for various migration scenarios and reusing of up to 100 percent of other major network components such as IP/MPLS core, backhaul and device management. Motorola WiMAX access points are easily upgradable to 802.16m (WiMAX 2), TD-LTE, FDD LTE or LTE-Advanced, meeting the needs

of and providing significant cost benefits to all operators.

No matter where they are in the 4G deployment or expansion phase, Motorola's WiMAX Evolution - Single RAN solution enables operators to safely increase network capacity, allowing them to offer services with more data usage per month at a lower price compared to other existing technologies which can give them a competitive advantage. For subscribers, this means up to four times higher data rates, two to four times more monthly data usage at lower rates, and when the operator migrates to a newer technology, there will be no impact on their services.

Benefits of the WiMAX Evolution - Single RAN solution include:

· Equipment reuse: leverages tower top RF heads and antenna as well as existing ancillary cabling

· Cost avoidance: requires no expensive crane lifts or tower climbs to implement

· Capital savings: preserves antenna tower or other site mount costs, site development costs, site acquisition costs, costly battery backup, concrete base, existing electrical and existing backhaul

Motorola's WiMAX Evolution - Single RAN solution is available in existing field proven commercial products such as the Motorola WiMAX WAP 450 and WAP 650 access points. Motorola's 40+ WiMAX networks around the world are expanding at a rapid pace, and the hardware solution for Motorola's 27 LTE engagements worldwide is based on this same WiMAX solution.

Source: Motorola

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