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CDMA INDUSTRY IS READY TO MEET FUTURE MARKET NEEDS HEAD ON

***CDG and 3GPP2 Collaborate to be the First to Deliver Advanced
Ultra Mobile Broadband Technology***

COSTA MESA, Calif., August 15, 2006 –The CDMA Development Group (CDG) and the Third Generation Partnership Project 2 (3GPP2) today announced that their collaboration has achieved several key milestones towards defining and developing a well planned and technically sound evolution of its CDMA2000[®] technology specifications.

A System Requirements Document (SRD) for the next air interface evolution of CDMA2000 was approved by 3GPP2 in May 2006. These requirements were developed in close cooperation with CDG (Market Representation Partner to 3GPP2) operator member companies and other key industry players to ensure that future market needs are fully addressed by the resulting specifications. According to the SRD, using scalable bandwidths up to 20 MHz, the forward link and reverse link peak data rates should be capable of up to **500 Mbps** and **150 Mbps** in a stationary indoor environment, and up to **100 Mbps** and **50 Mbps** in a mobile environment, respectively. The SRD has also set the requirements for improved voice quality and capacity, cell edge coverage, flexible spectrum allocations, inter-technology handoffs, and reduced system latency for VoIP and advanced multimedia packet services. A very important goal in developing these specifications will be to reduce an operator's CAPEX and OPEX by incorporating new and advanced wireless technologies into the industry's leading-edge 3GPP2 system architecture.

Significant progress towards developing a more advanced air interface for the next evolution of the CDMA2000 standard has also been made. At the 3GPP2 meeting in Montreal this month, the working group that was chartered by Technical Specification Group C (TSG-C) reached an agreement on defining a common framework for Frequency Division Duplexing (FDD) operations based on the evaluation and harmonization of various air interface proposals that were submitted to the 3GPP2. This common framework agreement was based upon a consolidated framework proposal submitted by China Unicom, Huawei Technologies, KDDI, LG Electronics, Lucent Technologies, Motorola, Nortel, QUALCOMM Incorporated, RITT, Samsung Electronics, and ZTE Corporation. The framework employs **Orthogonal Frequency Division Multiple Access (OFDMA)** on the forward link and supports several advanced antenna techniques including **Multiple Input Multiple Output (MIMO)** and **Spatial Division Multiple Access (SDMA)**. The reverse link employs quasi-orthogonal transmissions based on OFDMA, together with non-orthogonal user multiplexing with **layered superposed OFDMA (LS-OFDMA)**. The reverse link also supports **Code Division Multiple Access (CDMA)** transmissions for control and for low-rate, low-latency traffic. 3GPP2 TSG-C has already begun the process to further refine and enhance this framework. Detailed technical specifications are expected to be completed by early in the second quarter of 2007.

Perry LaForge, executive director of the CDG commented, "The rapid manner in which the 3GPP2 has been able to come to an agreement on the requirements and framework for the newly developed 'ultra mobile broadband' specifications demonstrates the organizations' cooperative nature and ability to respond quickly to the demands of the marketplace with the latest in technology."

"Mobile operators worldwide have deployed 3G mobile networks serving well over 250 million subscribers based on 3GPP2 specifications," said Dr. Y.K. Kim, chair of the 3GPP2 Steering Committee. "These operators are now looking to 3GPP2 for the next major advancement in mobile communication technology so they can address the market needs of their users."

The 3GPP2 Steering Committee's Advance Technology Evolution Ad Hoc committee has completed a Technology Evolution Framework (TEF) which is in the final stages of approval. The TEF outlines the evolution strategy for CDMA2000 beyond the 2010 timeframe and deals with end-to-end system capabilities. TEF is based on projected advances in multiple wireless and networking technologies over the next 10 years. These advances include the

evolution of mobile devices, improvements in the radio air interface to carry native IP packets at ever increasing data speeds, and enabling full-mobility voice and data communications across heterogeneous and constantly changing radio access network types.

About CDMA

CDMA2000 is the most widely deployed 3G technology, with 162 operators in 72 countries, including 38 CDMA2000 1x-EV-DO systems, serving more than 250 million subscribers. Counting 2G cdmaOne™ subscribers, there are more than 300 million CDMA users worldwide. CDMA2000 has become the technology of choice for cdmaOne, TDMA, analog and greenfield operators, and is deployed in the 450, 800, 1700, 1900 and 2100 MHz bands. Nearly 1,250 CDMA2000 devices from more than 80 suppliers have been introduced to the market, including 280 1xEV-DO devices. More information on CDMA2000 is available on the CDG Web site at www.cdg.org.

About 3GPP2

The Third Generation Partnership Project 2 is a collaborative Third Generation (3G) telecommunications specification-setting project comprising North American and Asian interests. The five Organizational Partners of the Third Generation Partnership Project 2, which are nationally recognized Standards Development Organizations, are: Association of Radio Industries and Businesses (ARIB) – Japan, China Communications Standards Association (CCSA) – China, Telecommunications Industry Association (TIA) – USA, Telecommunications Technology Association (TTA) – Korea, and Telecommunication Technology Committee (TTC) – Japan. For more information about 3GPP2, contact Henry Cuschieri of the 3GPP2 Secretariat at + 1-703-907-7497, e-mail secretariat@3gpp2.org or visit the 3GPP2 web site at www.3gpp2.org.

About CDG

The CDMA Development Group is a trade association formed to foster the worldwide development, implementation and use of CDMA technologies. The more than 130 member companies of the CDG include many of the world's largest wireless carriers and equipment manufacturers. The primary activities of the CDG include development of CDMA features and services, public relations, education and seminars, regulatory affairs and international support. Currently, there are more than 500 individuals working within various CDG subcommittees on

CDMA-related matters. For more information about the CDG, contact the CDG News Bureau at +1-714-540-1030, or visit the CDG Web site at www.cdg.org.

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Note to editors

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