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Backgrounder

WORLD AHEAD PROGRAM
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The World Ahead Program from Intel Corporation aims to enhance lives by accelerating access to uncompromised technology for everyone, anywhere in the world. Focused on people in the world's developing communities, it integrates and extends Intel's efforts to advance progress in three areas: accessibility, connectivity, and education. Intel's goal is not only to extend affordable PC access but to develop the right PCs tailored to local needs, drive critical connectivity, cultivate sustainable local capabilities, and provide the education needed to make a meaningful difference in people's lives.

Objectives: The program's 5-year objectives are to extend wireless broadband PC access to the world's next billion users while training 10 million more teachers on the effective use of technology in education – with the possibility of reaching another 1 billion students.

Investment: Intel will invest more than $1 billion over the next 5 years across the three focus areas of accessibility, connectivity, and education – including:
- Developing low-cost, fully-featured PCs for first-time computer users and geographically-tailored PC platforms, as well as the ecosystems to sustain them.
- Further extending WiMAX technology and deployments worldwide.
- Collaboration in individual nations' digital-inclusion programs (also known as government-assisted PC programs).
- Extending Intel's education programs, including the Intel Teach to the Future program as well as teacher and student education programs where needed in developed countries.
- To support the effective use of technology in education, Intel will donate 100,000 PCs to classrooms in developing nations.
- Investing via Intel Capital in local information and communications technology industry in developing nations.

Focus Areas: The World Ahead Program integrates and extends Intel's efforts to drive progress in accessibility, connectivity and education. In each area Intel is building upon significant past progress while extending efforts in the future and integrating the efforts to multiply their progress.

Accessibility: Intel is working to create opportunities for widespread PC ownership and use by increasing access to fully capable, affordable PCs tailored to regional needs and by helping to develop the local ecosystems that will sustain this access.
- Intel has worked with the governments of more than 50 countries to develop digital inclusion programs, also known as government-assisted PC programs, to make it easier for people to purchase or lease PCs. In 2005 this effort included 8.5 million PCs.
- Intel's Discover the PC Initiative provides customized technology solutions that enable new types of PCs to meet the specific needs of the developing world. These include low-cost, full-featured, easy to use PC's for home and work, Community PCs customized for public-access PC kiosks, and low-cost PCs tailored to the needs of schools and students. Intel plans to make six

more geographically tailored PC reference designs – developed through intensive local ethnographic research – available worldwide in the next 2 years. These systems include the following:

- ➢ A new fully-featured, low-cost desktop PC platform for first-time computer users in developing countries has a small and energy-efficient design suitable for dense living environments. The PC is intended for people who previously did not have access to a PC or the means to own one. Intel is initially making these PCs available through government agencies and telecommunications companies in Mexico, Brazil, Egypt, Ghana and Nigeria, with expansion to other countries later in 2006.
- ➢ The Intel-powered Community PC was developed specifically to meet the Internet access needs of rural villages and communities. Intel's ethnographic studies in rural India had shown that a single PC can serve many people in remote rural communities where harsh weather conditions and unreliable power sources could compromise typical PCs. The Intel-powered Community PC features a ruggedized chassis to withstand dusty conditions, varying temperatures and high humidity; a customized power supply unit that allows the PC to maintain continuous load power in the event of a power outage; and, simple, one-button system recovery in case of PC failure. Initially designed for Internet kiosks in rural India, the platform has generated interest from other countries with similar environmental concerns, and Intel expects to expand it to other countries soon.
- ➢ Intel is developing a prototype of a small-form-factor, low-cost laptop PC that incorporates unique software and hardware features to serve educational needs. The PC is designed for a use by an individual student, in primary or secondary schools, to support the unique needs of teaching and interactive learning.

- To conduct the research and development of these solutions for people in emerging regions, Intel has established four regional Platform Definition Design centers in Cairo; Shanghai; Sao Paulo, Brazil; and Mumbai, India.
- Other examples of Intel's work with governments, schools, non-governmental organizations and local entrepreneurs to develop sustainable technology and education ecosystems including the following:
  - ➢ In India, Intel's "Jaagruti" ("Awakening") initiative is a collaboration with leaders in business, government, and education to support the spread of Internet "kiosks" in rural villages across India based on the Community PC platform.
  - ➢ In Brazil, the new $50-million Intel Capital Brazil Technology Fund will promote innovation, technology and economic growth in South America's largest economy and emerging market leader.
  - ➢ Intel Capital also has launched technology funds in China (June 2005, $200 million), the Middle East and Turkey (November 2005, $50 million), and India (December 2005, $250 million). (These numbers are in U.S. dollars.)

Connectivity: Intel continues to expand wireless broadband Internet access by leading industry efforts worldwide in ecosystem development and WiMAX deployment.

- Intel's work to promote WiMAX availability for low-cost broadband Internet access has helped spark more than 175 WiMAX trials now in progress worldwide. There are more than 35 commercial networks already deployed, and more than 40 commercial networks now use or plan to use Intel's WiMAX silicon. The first year of WiMAX deployments, currently under way, is ramping as fast as the first year of DSL deployments in the 1990s.
- To extend connectivity, Intel is developing mobile PCs that in the future will contain not just WiFi capabilities but also options for WiMAX, 3G and other connectivity technologies.
- In one WiMAX example that also integrates PC access and education, Intel is working on a pilot project to establish Africa's first WiMAX connected school, to be located in Ghana, West Africa. The pilot school, the Accra Girls Secondary School, will be set up as a full eLearning centre, with hardware, software, high-speed Internet connectivity and teacher training.

Education: Intel has a long history of working to improve education worldwide, and its ongoing programs prepare teachers and students for success in the global economy.

- As part of the Intel® Education initiative, Intel invests $100 million per year in education in collaboration with governments and educators in 50 countries.
- The Intel® Teach to the Future program has helped more than 3 million teachers in more than 35 countries effectively integrate technology into their classrooms to improve student learning. In the next five years Intel plans to train 10 million more teachers on the effective use of technology in education—with the possibility of reaching another 1 billion students.
- The Intel® Learn Program is a community-based effort in which underserved youth ages 8-16 learn technology, critical thinking, and collaboration skills using an engaging, project-centered approach. To date, the program has been launched in eight countries and has reached more than 150,000 learners.
- Skoool™ is an online curriculum resource that has been offered to learners and teachers with access to a PC in certain European countries, Middle East and Asia.
- Intel Computer Clubhouse Network is an after-school, community-based learning program aimed at youth in underserved areas. As of 2005, more than 110 clubhouses have served 50,000 youth across 20 countries.
- Intel International Science and Engineering Fair (Intel ISEF) is the world's largest pre-college science competition, in which more than 1,400 students from 40 countries compete each year for more than $3 million in awards and scholarships.
- The Intel® Higher Education Program works with more than 100 universities in 30 countries to advance technology innovation and develop a pipeline of technical talent.
- To support the effective use of technology in education, Intel will donate 100,000 PCs to classrooms in developing nations.
- In addition to the Intel® Education initiative, Intel provides customized technology solutions for education. In this vein, Intel is collaborating in the launch of Africa's first mobile e-learning school, the Corona school in Ogun, Nigeria.

More on the World Ahead program can be found at www.intel.com/intel/worldahead.

-- 30 --