

# Press Release Helsinki, Finland – April 30, 2008

As record warm winter ends new report provides timely commitment to net positive impact on the environment

Just over a year after it began operations, Nokia Siemens Networks has today published its first annual corporate responsibility report. Amongst the goals outlined in the report is an overall commitment to have a net positive impact on the environment. In addition, the report provides the company's initial position and activities on a number of other corporate responsibility issues.

"Although impossible to link local weather phenomenon to climate change, this year's Vappu\* marks the end of a record warm winter in Finland, an apt reminder that we can all act more responsibly with respect to our impact on the planet," said Simon Beresford-Wylie, chief executive officer, Nokia Siemens Networks. "With this report we acknowledge the significant positive impact that a global company like Nokia Siemens Networks can have on the environment."

In the report Nokia Siemens Networks has outlined specific energy efficiency targets for its operations. In addition, it outlines measures to improve the environmental impact of the communications services and solutions it provides to leading telecoms operators around the world. Further details of these can be found in the notes for editors\*.

In addition to environmental factors, the initial report provides the company's position on a range of corporate responsibility issues including ethics, employees, suppliers, health and society.

The report opens with a message from Beresford-Wylie which states: "Corporate responsibility is an essential part of our business. It begins with operating ethically and sustainably and extends to the broader impact of our actions and our industry. Telecommunications can bring tremendous benefits to society by connecting people and communities to new opportunities, creating economic growth, enabling the open sharing of information and reducing the adverse environmental impact of a wide range of activities. With our size and global reach, Nokia Siemens Networks can play an instrumental role in setting an example of corporate responsibility for the industry as a whole."

### **About Nokia Siemens Networks**

Nokia Siemens Networks is a leading global enabler of communications services. The company provides a complete, well-balanced product portfolio of mobile and fixed network infrastructure solutions and addresses the growing demand for services with 20,000 service professionals worldwide. Nokia Siemens Networks is one of the largest telecommunications infrastructure companies with operations in 150 countries. The company is headquartered in Espoo, Finland.

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#### Notes for editors\*:

**Vappu** is a Finnish "May Day" festival that takes place over the evening of April 30 and the day of May 1. On a par with New Years Eve and midsummer (juhannus), the event has become a combination of festivities that mark the end of winter and beginning of spring and celebrate student graduation.

The report can be downloaded from <a href="http://www.nokiasiemensnetworks.com/crr2007">http://www.nokiasiemensnetworks.com/crr2007</a>

## Corporate responsibility report energy goals and statistics:

Nokia Siemens Networks energy use related goals for production and office facilities are:

- to reduce energy use by 6% by 2012, exceeding the official EU target of 5%
- to use 25% renewable energy in our operations by 2009, increasing up to 50% by the end of 2010.

Over 90% of the energy footprint of communications products and solutions comes from there use rather than manufacturing. For this reason, Nokia Siemens Networks puts a lot of emphasis on improving the operational energy efficiency of its products, particularly mobile network base stations.

Nokia Siemens Networks base stations are currently the most energy efficient in the industry and their performance is continually improving. For example, the energy use of a typical previous generation base station site can be cut by up to 70% with the energy efficiency solutions launched in November 2007. These include:

- reducing the number of base station sites and antenna masts needed to run networks
- increasing the use of software upgrades to improve energy efficiency
- improving energy efficiency of hardware features
- raising the temperature at which equipment will work effectively from 25°C to 40°C, which
  reduces the energy needed for air conditioning by up to 30% and makes it possible to
  use airflow cooling rather than air conditioning
- using intelligent management systems to reduce energy consumption during off-peak periods by adapting the energy use of the base station according to the level of calls.

For example, in a network with approximately 5,000 base stations, serving a large metropolitan area, the average annual energy saving from these innovations would save around 43,000 tons of CO<sub>2</sub>. This equals the annual energy needs of about 8,500 households.

Nokia Siemens Networks is also working with operators to develop and promote base stations powered by renewable energy sources like solar and wind energy in remote areas without access to power grids.

The company has set targets to:

- reduce the energy use of typical GSM (2G) base stations by 20% by 2010 from the 2007 level of 800W
- reduce the energy consumption of typical WCDMA (3G) base stations by 40% by 2010 from end 2007 level of 500W.

Continuous improvements are also being made in broadband technologies, transport and switching. Considerable environmental savings can be achieved by innovative service concepts, such as remote maintenance. Nokia Siemens Networks continues to research new technologies and look for new ways to benefit the environment.

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# Photo available, caption:

Nokia Siemens Networks global headquarters is located in pine forest outside the city of Espoo, Finland. The company today marked the official end of winter in Finland, the warmest on record, with the publication of its first Corporate Responsibility Report. The report outlines the company's goal to have a net positive impact on the environment.

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