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Nokia is synonymous with mobile phones and known worldwide for connecting people. As mobility and the Internet converge, more and more people expect secure, reliable and instantaneous access to information available via the Internet. In addition, as mobile devices and network speeds evolve, more and more corporate data is being delivered via mobile networks. Having earned a strong, worldwide reputation in mobile communications, Nokia has extended its global leadership in mobility to include security applications for reliable mobile communications.

Nokia is focused on these communications both in the wired world of today and mobile network environments of tomorrow. Nokia has increased its commitment to Internet security for both wired and wireless network environments by continuing to leverage its extensive mobility expertise and drawing from its leadership in the wired Internet security market.

A key component of setting up and maintaining Mobile Offices is securing information transactions from employees' mobile terminals to their corporate networks. Nokia is enabling these transactions by developing technology for transparently managing and providing security to Mobile Offices. Delivering faster services while maintaining accuracy to both internal and external customers offers inherent productivity and may contribute significantly to the bottom line. Extending network infrastructure to mobile terminals, makes the Mobile Office a centerpiece of business, enabling users to check and respond to email, send and receive faxes, hold conference calls, play video and audio content, and access corporate database applications to view and edit everything from sales reports to service orders away from their desks.

Whilst the method and device used for connectivity may range from wired, to mobile (remote), to true wireless, the content being accessed and the infrastructure where it resides are still very much wired and IP-based. The same security applied in the wired IP world is required for secure communications via mobile and wireless communications, with some additional protocol support, traffic and service awareness, and security vulnerability preparedness.

The most secure method of providing corporate access from any wireless device is to use a secure Virtual Private Network (VPN), tunnelled through public networks such as the Internet. Nokia's VPN technology for Symbian OS mobile devices, such as the 9210i and 9290 Communicator, allows secure, end-to-end tunnels to be established. In addition to IPSec VPN supported protocols, the Nokia Communicator Series supports secure connections through various protocols, for example, PPP for dial up with RADIUS authentication, SSL, TLS, and WAP.

Nokia Security Service Manager (NSSM) is a deployment and provisioning system designed specifically to address the initial deployment, subsequent configuration management, and PKI-related requirements in mobile environments. NSSM provides a scalable Mobile VPN solution that enterprises can use to extend their VPN to the mobile domain

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using the Nokia Mobile VPN Client for Symbian OS.   This is a step towards providing a single point of security management for all security related applications on mobile terminals and is vendor and application independent.

The Nokia Mobile VPN Client for Symbian is in keeping with Nokia's ability to offer inspired, human-centric and trusted technology and is quite transparent to an end user. The user simply runs an application such as email and a connection is automatically established. During this connection, the mobile user is prompted for proof of identity using a token such as a SecurID password or a digital certificate.

Once a mobile employee authenticates to their corporate VPN successfully, all data travelling to and from the Communicator, no matter what the mobile application, is encrypted. Furthermore, the stringent security inherent in an IPSec VPN ensures data is received exactly how it was sent and also protects against electronic data theft by preventing it from being captured during transit and retransmitted later.

The target market is for mobile operators offering data services that enterprises need. Mobile operators can increase their service revenues by offering security services in addition to the data services. In this way, operators are enabling end-to-end security for enterprises. Enterprises can also enable their own end-to-end security to set up a secure connection to their enterprise network from employees' mobile terminals.

About Nokia Internet Communications
Nokia Internet Communications, headquartered in Mountain View, California, provides world-class Network Security, Virtual Private Network and Internet Traffic Management solutions that ensure the security and reliability of corporate enterprise and managed service provider networks. Nokia is committed to enhancing the end user experience by bringing a new level of security and reliability to the network, enabling and Internet transaction that is personal and trusted-each and every time.
For more information, please visit www.nokia.com and click on Secure Network Solutions. Nokia Internet security and virtual private network appliances span the spectrum of price/performance points, and secure the widest range of network environments-from the smallest branch office to the largest Internet data center. The expansive product line, backed by world-class global support and services, provides customers the ability to deploy multiple solutions from a single product to secure all elements of a distributed enterprise.

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