

# Creating a Safe and Secure Environment for ICT Users

The NTT Group is actively implementing measures and developing technologies for maintaining and improving the security of ubiquitous broadband services.

## Initiatives to maintain and improve information security



### Fiscal 2009 priority topics

#### Launch of *occrue*, a convenient information leakage prevention solution



NTT handles a wide variety of information on customers, equipment, and so forth during the course of its business operations. Since January 2009, we have been operating *occrue*, a service that facilitates the transfer of important or large-volume information between NTT Group companies without information leaking outside the NTT Group.

In the past, it was necessary to manually encrypt information when sending or receiving large numbers of files, but the *occrue* service authenticates users sending or receiving files, encrypts data automatically, and enables files of up to 5 GB to be sent or received. Based on its performance within the NTT Group so far, NTT plans to offer *occrue* to its customers too.

#### Developing technology to rigorously test for personal information leaks in e-commerce etc.



In 2007, NTT Communication Science Laboratories became the first in the world to develop a precise logical expression for the conditions under which privacy in information systems is protected (i.e. when an outsider is unable to acquire information pertaining to the actions of the user), and to devise a precise testing protocol.

Thanks to this technology, it is now possible to rigorously test for personal information leaks in e-commerce and other information systems requiring a high level of security. NTT Communication Science Laboratories is now planning to develop technologies for automated privacy protection testing.



## Security through infrared sensing

On October 10, 2008, NTT AT released AT WATCH NET IR, a solution for crime prevention and other applications that connects an infrared human motion sensor, PC, and camera through simple USB connections.

Enabling 360-degree detection through multi-directional monitoring of three-dimensional space, AT WATCH NET IR sounds an alarm and sends an e-mail message to specified mobile phones or other devices when it detects a person. This product can also be used to watch over elderly people requiring such care.



## Tighter management of customer information

To tighten the management of customer information, NTT East has deployed an external storage media control system to prevent customer information from being carried out of company premises.

NTT East also promotes the use of security measures by its Group companies as well as companies to which operations are outsourced, actively improving its overall security.



## eLWISE Card awarded CC certification

In November 2008, eLWISE Card, a high-capacity hybrid smart card that was developed by NTT Service Integration Laboratories and is marketed by NTT Communications, was awarded CC (Common Criteria) certification based on ISO/IEC15408 (JIS X5070), the international standard for security certification.

CC certification involves a detailed assessment of security-related issues from the development of a product to its actual deployment, and this is the first time that such certification has been awarded to a high-capacity multi-purpose smart card utilizing flash memory.

CC certification signifies recognition that the eLWISE Card provides a high level of security suitable for public use. Furthermore, CC certification is recommended for government agency tenders, boosting potential use of the eLWISE Card in new fields.



## Improving security

NTT COMWARE in fiscal 2009 enhanced security diagnosis and eliminated vulnerabilities in its external use web servers, and strove to improve internal security by deploying systems for detecting and blocking access to internal networks by unauthorized terminals and for managing and restricting the copy and removal of data from company terminals.

Communication between people and their communities

Communication between people and the global environment

Safe and secure communication

Team NTT communication