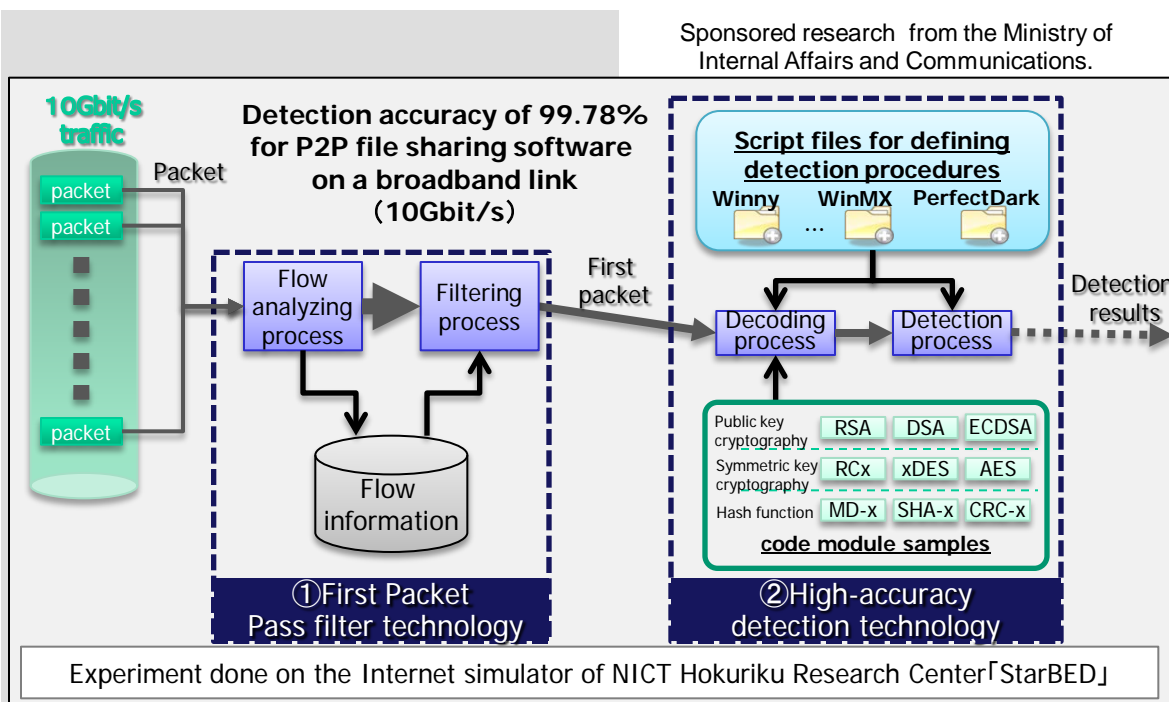


## Information and Communication Systems

Systems Development Laboratory  
Information Service Laboratory

Hitachi, Ltd., Web site【1st July 2010 News Release】<http://www.hitachi.co.jp/New/cnews/month/2010/07/0701.html>

### 99.78% detection accuracy in 7 types of P2P file-sharing software including Winny



### Characteristics

#### 1. High-speed detection of P2P communication

Instead of analyzing every packet in a communication, the developed software inspects only the first packet showing characteristics of P2P communication, thereby achieving high-speed processing.

<① First-Packet-Pass-filter technology >

#### 2. High-accuracy detection of encrypted P2P communication

The developed decryption technology detects encrypted P2P communication with high accuracy.

<② High-accuracy detection technology >

### File sharing software detected

Winny, Winnyp, Perfect Dark, Bit torrent, Lime Wire, WinMX, share

\* 90% of domestic P2P file sharing software users covered

### A word from the development team

*We will work towards the practical use of the software, covering detection and control of P2P communications and contribute to resolving problems with network security.*

P2P (Peer to Peer) file sharing software, such as Winny, while enabling users to easily and directly share music and movie files, also carries with it the risk of virus contamination resulting in socially damaging information leaks. Hitachi has developed a high-speed software for detecting P2P file sharing software. Evaluation tests demonstrated that seven types of file sharing software were detected with an accuracy of 99.78% on a 10Gbit/s broadband link.