Digital Forensic Center

Supreme Prosecutors' office
Forensic Planning Division
I Establishment background
II Establishment Process
III Overview
IV Structure
V Investigation Support Cases
VI Goals
Establishment Purpose of Digital Forensic Center

- Digital Forensic Division
- Forensic Science Division
- Forensic planning Division

Prompt and accurate Analysis of evidences

Professional computer forensic training

Planning and managing cutting edge forensics
Establishment process

- **May. 2005.**
  - Digital Forensic Center master plan
  - Budget: 14.4 billion won ($9,823,986)

- **July. 2006.**
  - Complete building plan

- **Dec. 2006.**
  - Start construction

- **Oct. 2008.**
  - Forensic Center completion
Digital Forensic Center Building

- Training center
  - Education development Rooms
- Veritas Hall
- Digital Evidence Analysis Rooms
- Identification Examination Rooms
Digital Forensic Center Structure

Science Forensic Planning division (5)

Forensic Science Division (35)
- Drug Analysis
- DNA Analysis
- Document Examination
- Psychological Forensic
- Voice Analysis
- Image Analysis

Digital Forensic Division (33)
- Disk Analysis
- Network Forensic
- Database Forensic
- Anti-Forensic Response
- Mobile Forensic
- Research & Development

Total staffs: 73
Search, seizure, analysis and recovery of digital evidence from Computer hard disks
Search, analysis and recovery of digital evidence from mobile phones, PDA or Smartphones.
Team Functions & Responsibilities

DB Forensic Team

Analyzing Digital evidence such as Electronic accounting databases
Tracking and Analyzing Cyber Crimes such as Computer Hacking
Team Functions & Responsibilities

Cryptography Team

- Research and Developing Cryptanalysis techniques & Decryption Tool.
Identifying Criminals through DNA analysis of evidences from criminal scenes

Examining the truthfulness of documents through analysis of letters, symbols, print of seals, ink and papers.
Identifying video mortification signs, improving image quality

Identifying recorded voices, improving sound quality
Identifying the truthfulness of statements of criminals with psychological or biological methods.

Identifying drug intake, Examining drug ingredients.
# Investigation support cases

<table>
<thead>
<tr>
<th>Items</th>
<th>2008</th>
<th>2007</th>
<th>2006</th>
<th>2005</th>
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<tbody>
<tr>
<td><strong>Digital forensic division</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>DISK</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Desktop</td>
<td>1,375 sets</td>
<td>1,003 sets</td>
<td>1,394 sets</td>
<td>557 sets</td>
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<tr>
<td>Laptop</td>
<td>262 sets</td>
<td>129 sets</td>
<td>185 sets</td>
<td>18 sets</td>
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<td>CD, DVD</td>
<td>291 sets</td>
<td>88 sets</td>
<td>468 sets</td>
<td>·</td>
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<tr>
<td>Others</td>
<td>732 sets</td>
<td>273 sets</td>
<td>1,040 sets</td>
<td>·</td>
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<tr>
<td><strong>Database</strong></td>
<td>82 times</td>
<td>70 times</td>
<td>82 times</td>
<td>·</td>
</tr>
<tr>
<td><strong>TOTAL(Analysis)</strong></td>
<td><strong>918 times</strong> (153.5TB)</td>
<td><strong>461 times</strong> (151.4TB)</td>
<td><strong>363 times</strong> (97.4TB)</td>
<td><strong>88 times</strong> (30.7TB)</td>
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<tr>
<td><strong>Science forensic division</strong></td>
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<tr>
<td>Drug</td>
<td>8,524</td>
<td>8,338</td>
<td>7,611</td>
<td>4,567</td>
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<td>DNA</td>
<td>4,616</td>
<td>1,401</td>
<td>2,884</td>
<td>949</td>
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<td>Psychology</td>
<td>2,872</td>
<td>2,458</td>
<td>2,418</td>
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<td>Document</td>
<td>4,940</td>
<td>3,539</td>
<td>4,637</td>
<td>2,133</td>
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<tr>
<td>Voice</td>
<td>221</td>
<td>70</td>
<td>162</td>
<td>94</td>
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<td>Image</td>
<td>241</td>
<td>183</td>
<td>155</td>
<td>76</td>
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<td><strong>Grand total</strong></td>
<td><strong>21,414</strong></td>
<td><strong>16,990</strong></td>
<td><strong>17,867</strong></td>
<td><strong>10,298</strong></td>
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</tbody>
</table>
Goals

Supporting field investigations

Supporting Science Forensics

Developing science for forensic techniques and tools

Enhancing Cutting-edge Science forensics

Training forensic professionals
Thank you