Korea Internet & Security Agency

Internet • Information Security Promotion Agency
Leading Global Competitiveness

Internet Security
- Prevent • Analyze • Respond
- Share Threat Intelligence
- Protect Critical Infrastructure

Personal Info. Protection
- Support Policy and Legislation
- Protect New Info (Location, Image)
- De-identification, Spam Report
- Survey Personal Info. Infringement

Industry Promotion
- Support Policy and Legislation
- Support R&D and Oversea Market
- Promote ISMS, IoT, HRD

Expand Internet Infrastructure
- Manage and Operate Internet Res.
- Promote new Internet Technologies (Fintech, Blockchain, Web 5.0)
- Enable e-document and e-transaction

[ Major Centers ]
- Info. Sec. R&D Technology Sharing Center
- IoT Convergence Security Innovation Center
- Cyber Security Training & Certification Center
- Cyber Threat Intelligence Center
- Fintech Security • Certification Tech. Support Center
- De-identification Support Center
- 118 Call Center
- 6 Regional Information Security Centers
  (Oman • Tanzania • Costa Rica • Indonesia)

※ ’09.7, KISA,NIDA, KIICA was merged
2 Organizational Overview

Structure & Budget

- Organization: 5 Groups, 10 Div. 6 Centers 52 Teams
- Personnel: 630 researchers (17.6)
- Budget: 200 billion won (≒ 180 M $)
- Government: Ministry of Science and ICT/
  Ministry of Interior/
  Korea Communications Commission

Personnel (in detail)

<table>
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<tr>
<th>Full-time</th>
<th>Masters &amp;Ph.D</th>
<th>Engineering Background</th>
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<td>97%</td>
<td>48.8%</td>
<td>59.7%</td>
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※ Full-time employment rate: 76% ('13) → 97% ('16)
※ Employment separation rate: 14% ('13) → 4.7% ('16)

Offices: Naju HQ & Seoul Office & Pan-gyo Cluster
3.1 Recruiting Status

2016 Recruitment

- 16.4 : 21 (Interns)
- 16.6 : 24 (Full-time)
- 16.9 : 16 (Full-time)
- 16.11 : 13 (Full-time)

Recent Statistics (‘13–‘15)

- Engineering Background: 70% Other Majors: 30%
  - ’13: 34 employed
- Engineering Background: 54% Other Majors: 46%
  - ’14: 35 employed
- Engineering Background: 58% Other Majors: 42%
  - ’15: 40 employed
3.2 Recruiting Process

1. [Step 1] Application & Cover Letter (Self-introduction)

2. [Step 2] Personality Test & Job Capacity Test

3. [Interview] Presentation & F2F Interview

4. [Final Interview] F2F Group Interview

5. [Announcement of Results & Background checks]
Keeps Safety of the Cyber World
THANK YOU
3.1 Cybersecurity Governance

Blue House
National Security Office

PUBLIC
National Cyber Security Center (NCSC)
- Central Government
- Local Government
- Public Agencies

PRIVATE
Ministry of Science and ICT

NATIONAL DEFENSE
Ministry of National Defense
Republic of Korea
- Military Cyber Command & Control Center

KISA
- Broadband Subscribers: 20.5 mil.
- Internet Users: 43.6 mil. (88.3%)
- Mobile Users: 61.1 mil.

Finance [FSS]
- Bank, Stock, Insurance

Army / Navy / Air Force
3.2 Public Private Partnership (PPP)

Prevent and Respond to Cyber Threats in the Private Sector by Cooperating with Multi-Stakeholders

**Government**
- MoI, KCC, NPA, Supreme Court
- Cyber Threat Intelligence

**ISP**
- KT, SKB, LGU+, etc.
- Block Malicious Sites
- Notify Zombie PC and Smartphone Users

**Info. Sec. Companies**
- AhnLab, Hauri, etc.
- Analyze Malicious Code
- Investigate Incident

**International Org.**
- FIRST, APCERT, MS, etc.
- Share Malware, Vulnerability, And Other Information

**People**
- Security Information
- Distribute Dedicated Anti-Virus S/W
- Provide DDoS Defense Service

**Blue House**
**National Security Office**
**MSIT**
**KISA**
**KISC**

**Diagram Directions**
- Share
- Analyze
- Block
- Cooperate
- Guide
3.3 Global Partnerships

Main Regional Offices  Networking Platform  Expansion of Partnership

- Digital Forensic, and Incident response
- UAE, Qatar, Iran and more

Middle East (Oman)

Northeast Asia (China)
- Korea-China Internet Cooperation Center
- Request to delete and check personal information leakage in China

Korea
- GCCD (Global Center for Cybersecurity Development)
- ICANN Seoul Office

North America (USA)
- Inter American Development Bank (IDB)
- Support and operate an ICT education center in the LAC region

Africa (Tanzania)
- KISC model (Rwanda as a best practice)
- EAC, Gabon, Senegal, Botswana, and etc.

Southeast Asia (Indonesia)
- Expert training, market exploration, and etc.
- UAE, Qatar, Iran and more

LAC (Costa Rica)
- E-gov’t, expert training, KISC model, and etc.
- Peru, Nicaragua, Paraguay, and etc.
2009

Merger of the Korea Information Security Agency (KISA), National Information Development Agency of Korea (NIDA), and Korean International IT Cooperation Agency (KIICA)

JUL
Establishment of KISA

2010

JAN
Establishment of the 118 Call Center

FEB
Establishment of the KISARANG Daycare Center

MAR
Establishment of the KISA Academy

DEC
Establishment of the Integrated Control Office of the Korea Computer Emergency Response Team Coordination Center (KCERT/CC)

2011

MAY
Launch of KISA Corporate Social Responsibility (CSR) programs

OCT
Establishment of the Privacy Protection & Technology Assistance Center

2012

MAY
Establishment of the Personal Identification Clean Center

2013

OCT
Established new national technical examination for information security

2014

JAN
Establishment of the Seoul Office of the Internet Corporation for Assigned Names and Numbers (ICANN)

MAY
Establishment of the IoT Innovation Center

2015

MAR
Integration of KISA office buildings & introduction of a new CI

MAY
Start of construction of a new headquarters building in Naju Innovation City

AUG
Establishment of the Information Security Service Center (Honam, Jungbu, Dongbu)

DEC
Establishment of the Information Security R&D Technology Sharing Center