IDN in Korea

21/JUL/2004
Kang AhnGu
Korea Network Information Center
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Overview of .KR

1986 : Registration in the 3rd-level domain name space
- 13 Organizational sub-domains (co.kr, ac.kr, re.kr, or.kr, ne.kr...)
- 16 Geographical sub-domains (seoul.kr, busan.kr, jeju.kr ....)
- One domain name per one organization (~JUN/1999)
- Local presence required

- Allow second-level domain registration only for those including Korean-character (Since 19/AUG/2003)
- Not allowed second-level domain registration for ASCII domains

Total number of registered domain names is about 613,000 as of 16/JUL/2004
In general
- Alpha-numeric characters, hyphen, and Hangeul
- Include at least one Hangeul character (2,350)
- Length of Hangeul domain name: 2~17

Restricted words (829 words)
- 769 (To reserve name space, single characters, and mostly category names)
- 60 (abusive words)
Sunrise Policy

Overview of Sunrise

1. 19/AUG/2003~18/AUG/2004 (1 year)
   - Reserved Words

2. 19/AUG/2003~29/SEP/2003 (6 weeks)
   - Trade Marks & Company names

3. 7/OCT/2003~20/OCT/2003 (2 weeks)
   - 1 domain
   - Per 1 certification

4. 4/NOV/2003~
   - Reviewed Application & Took a lottery

FCFS
(1st Stage) Reserved Words

- Registration for reserved words
  - 19/ AUG/2003 ~ 18/AUG/2004 (1 year)
  - Organizations included in a reserved word list

- Reserved words for the Following Organizations (29,716)
  - Administrative Agencies
  - Legislative Agencies
  - Machinery of Law
  - Educational Organizations
  - Governmental Projects. Etc.
Trade Marks & Company names

- Registration of registered trade marks and company names
  - 19/AUG/2003 ~ 29/SEP/2003 (6 weeks)

- Same or similar to registered trade mark & company name allowed for Hangeul domain name
  - Up to 3 domain names for one trade mark, and 2 domain names for one company name

- Independent trade mark expert group determines validity of trade mark for Hangeul domain name
  - If there is more than 1 valid application for 1 domain name, the registrant is determined by draw
(2nd stage)
1 Domain per Certification

- Registration of 1 domain per 1 certification
  - 7/OCT/2003 ~ 20/OCT/2003 (2 weeks)

- One Hangeul domain name per certification
  - Certificate of residence or business registration certification

- In case of competition, registrants were determined by draw
# Result of Sunrise Period

- **19/AUG/2003 ~ 4/NOV/2003**

<table>
<thead>
<tr>
<th></th>
<th>Categories</th>
<th>Application</th>
<th>Winning DN</th>
<th>Registered</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Reserved Words</td>
<td>(29,720)</td>
<td></td>
<td>4,747</td>
</tr>
<tr>
<td></td>
<td>Trade Marks &amp; Company name</td>
<td>25,648</td>
<td>12,342</td>
<td>11,654</td>
</tr>
<tr>
<td>2</td>
<td>1 Domain per Certification</td>
<td>47,124</td>
<td>21,895</td>
<td>19,276</td>
</tr>
<tr>
<td>3</td>
<td>FCFS (4/NOV/2003)</td>
<td>-</td>
<td>-</td>
<td>17,110</td>
</tr>
</tbody>
</table>

|   | Total # of registered Hangeul.KR        | 52,787      |            |            |


Service Environment

- Plug-in
  - Distributed a plug-in program to convert Hangeul domains to punycode in order to accommodate name server query

- IDN management tool
  - Distribute code converter (Web, Windows, Unix/Linux)

- KR name server
  - Run zone file in punycode
Current Status

Number of Hangeul.KR

- 79,581
## Current Status II

- Name server setting and website connection

<table>
<thead>
<tr>
<th>Total # of Hangeul.KR</th>
<th>79,581</th>
</tr>
</thead>
<tbody>
<tr>
<td>In operation</td>
<td>27,645 (34.74%)</td>
</tr>
<tr>
<td>Not in operation</td>
<td>51,936 (65.26%)</td>
</tr>
<tr>
<td>Set name server</td>
<td>29,396 (36.94%)</td>
</tr>
<tr>
<td>Do not set name server</td>
<td>50,185 (63.06%)</td>
</tr>
</tbody>
</table>

- Survey target: Hangeul domain names registered as of JUL. 1, 2004